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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

May 08, 2006

Dee Gardner
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Time Oil - ASKO

Enclosed are the results of analyses for samples received by the laboratory on 04/19/06 08:30. The following list is a summary of the Work Orders contained in this report, generated on 05/08/06 17:14.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPD0447	Time Oil - ASKO	0440-004-05



Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01-11	BPD0447-01	Soil	04/17/06 10:10	04/19/06 08:30
B02-4.5	BPD0447-02	Soil	04/17/06 13:02	04/19/06 08:30
B02-11	BPD0447-03	Soil	04/17/06 13:42	04/19/06 08:30
B03-6	BPD0447-04	Soil	04/18/06 09:38	04/19/06 08:30
B03-12	BPD0447-05	Soil	04/18/06 10:01	04/19/06 08:30
B03-16	BPD0447-06	Soil	04/18/06 11:27	04/19/06 08:30
B04-1	BPD0447-07	Soil	04/18/06 13:15	04/19/06 08:30
B04-10	BPD0447-08	Soil	04/18/06 13:59	04/19/06 08:30
B04-22	BPD0447-09	Soil	04/18/06 14:50	04/19/06 08:30

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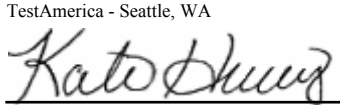

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4870	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 20:04	
Surrogate(s): 4-BFB (FID)		*94.9%*			*50 - 150 %*	"			"	
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5610	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 20:33	
Surrogate(s): 4-BFB (FID)		*96.1%*			*50 - 150 %*	"			"	
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5110	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 21:03	
Surrogate(s): 4-BFB (FID)		*96.4%*			*50 - 150 %*	"			"	
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Gasoline Range Hydrocarbons	NWTPH-Gx	**4720000**	-----	348000	ug/kg dry	50x	6D2102	04/21/06 09:39	04/22/06 00:01	**G-02**
Surrogate(s): 4-BFB (FID)		*152%*			*50 - 150 %*	*1x*			"	***SR-4***
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5410	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 21:33	
Surrogate(s): 4-BFB (FID)		*101%*			*50 - 150 %*	"			"	
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5230	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 22:03	
Surrogate(s): 4-BFB (FID)		*100%*			*50 - 150 %*	"			"	
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Gasoline Range Hydrocarbons	NWTPH-Gx	**306000**	-----	10700	ug/kg dry	2x	6D2502	04/25/06 10:46	04/25/06 12:59	**G-01**
Surrogate(s): 4-BFB (FID)		*136%*			*50 - 150 %*	*1x*			"	
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4710	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 23:02	
Surrogate(s): 4-BFB (FID)		*104%*			*50 - 150 %*	"			"	

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5020	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 23:31	
Surrogate(s): 4-BFB (FID)		*99.7%*			*50 - 150 %*	*"*			*"*	

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	10500	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 02:20	
Lube Oil Range Hydrocarbons	"	ND	-----	26400	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*81.3%*			*50 - 150 %*	"			"	
Octacosane		*90.0%*			*50 - 150 %*	"			"	
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11600	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 02:49	
Lube Oil Range Hydrocarbons	"	ND	-----	29100	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*80.7%*			*50 - 150 %*	"			"	
Octacosane		*83.0%*			*50 - 150 %*	"			"	
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11200	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 03:02	
Lube Oil Range Hydrocarbons	"	ND	-----	28100	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*79.8%*			*50 - 150 %*	"			"	
Octacosane		*89.2%*			*50 - 150 %*	"			"	
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Diesel Range Hydrocarbons	NWTPH-Dx	**1300000**	-----	116000	ug/kg dry	10x	6D2105	04/21/06 13:39	04/27/06 18:05	
Lube Oil Range Hydrocarbons	"	**868000**	-----	290000	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*134%*			*50 - 150 %*	"			"	
Octacosane		*85.8%*			*50 - 150 %*	"			"	
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12300	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 03:45	
Lube Oil Range Hydrocarbons	"	ND	-----	30700	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*74.8%*			*50 - 150 %*	"			"	
Octacosane		*85.1%*			*50 - 150 %*	"			"	
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12800	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 04:15	
Lube Oil Range Hydrocarbons	"	ND	-----	32000	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*95.3%*			*50 - 150 %*	"			"	
Octacosane		*93.5%*			*50 - 150 %*	"			"	

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Diesel Range Hydrocarbons	NWTPH-Dx	**706000**	-----	116000	ug/kg dry	10x	6D2105	04/21/06 13:39	04/26/06 04:30	
Lube Oil Range Hydrocarbons	"	**588000**	-----	291000	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*99.8%*			*50 - 150 %*	"			"	
Octacosane		*83.8%*			*50 - 150 %*	"			"	
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12100	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 04:59	
Lube Oil Range Hydrocarbons	"	ND	-----	30300	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*84.0%*			*50 - 150 %*	"			"	
Octacosane		*88.5%*			*50 - 150 %*	"			"	
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11500	ug/kg dry	1x	6D2105	04/21/06 13:39	04/26/06 05:28	
Lube Oil Range Hydrocarbons	"	ND	-----	28700	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*76.9%*			*50 - 150 %*	"			"	
Octacosane		*79.9%*			*50 - 150 %*	"			"	

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Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Arsenic	EPA 6020	**5580**	-----	499	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:16	
Barium	"	**62100**	-----	4990	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	499	"	"	"	04/20/06 13:18	"	
Chromium	"	**33900**	-----	499	"	"	"	04/20/06 13:18	"	
Lead	"	**2430**	-----	499	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	334	"	"	6D2704	04/27/06 12:16	05/01/06 11:51	
Selenium	EPA 6020	ND	-----	499	"	"	6D2004	04/20/06 13:18	04/22/06 00:16	
Silver	"	ND	-----	499	"	"	"	04/20/06 13:18	"	
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Arsenic	EPA 6020	**6710**	-----	606	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:22	
Barium	"	**114000**	-----	6060	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	606	"	"	"	04/20/06 13:18	"	
Chromium	"	**52700**	-----	606	"	"	"	04/20/06 13:18	"	
Lead	"	**5660**	-----	606	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	388	"	"	6D2704	04/27/06 12:16	05/01/06 11:53	
Selenium	EPA 6020	ND	-----	606	"	"	6D2004	04/20/06 13:18	04/22/06 00:22	
Silver	"	ND	-----	606	"	"	"	04/20/06 13:18	"	
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Arsenic	EPA 6020	**4290**	-----	571	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:39	
Barium	"	**67000**	-----	5710	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	571	"	"	"	04/20/06 13:18	"	
Chromium	"	**38100**	-----	571	"	"	"	04/20/06 13:18	"	
Lead	"	**2810**	-----	571	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	350	"	"	6D2704	04/27/06 12:16	05/01/06 11:56	
Selenium	EPA 6020	ND	-----	571	"	"	6D2004	04/20/06 13:18	04/22/06 00:39	
Silver	"	ND	-----	571	"	"	"	04/20/06 13:18	"	
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Arsenic	EPA 6020	**9820**	-----	540	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:45	
Barium	"	**119000**	-----	5400	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	540	"	"	"	04/20/06 13:18	"	
Chromium	"	**59900**	-----	540	"	"	"	04/20/06 13:18	"	
Lead	"	**5980**	-----	540	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	406	"	"	6D2704	04/27/06 12:16	05/01/06 11:58	
Selenium	EPA 6020	ND	-----	540	"	"	6D2004	04/20/06 13:18	04/22/06 00:45	
Silver	"	ND	-----	540	"	"	"	04/20/06 13:18	"	

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						
Arsenic	EPA 6020	**1370**	-----	655	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:50	
Barium	"	**56100**	-----	6550	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	655	"	"	"	04/20/06 13:18	"	
Chromium	"	**36500**	-----	655	"	"	"	04/20/06 13:18	"	
Lead	"	**2490**	-----	655	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	410	"	"	6D2704	04/27/06 12:16	05/01/06 12:00	
Selenium	EPA 6020	ND	-----	655	"	"	6D2004	04/20/06 13:18	04/22/06 00:50	
Silver	"	ND	-----	655	"	"	"	04/20/06 13:18	"	
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						
Arsenic	EPA 6020	**1980**	-----	611	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:56	
Barium	"	**102000**	-----	6110	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	611	"	"	"	04/20/06 13:18	"	
Chromium	"	**39000**	-----	611	"	"	"	04/20/06 13:18	"	
Lead	"	**3450**	-----	611	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	428	"	"	6D2704	04/27/06 12:16	05/01/06 12:08	
Selenium	EPA 6020	ND	-----	611	"	"	6D2004	04/20/06 13:18	04/22/06 00:56	
Silver	"	ND	-----	611	"	"	"	04/20/06 13:18	"	
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Arsenic	EPA 6020	**3230**	-----	533	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 01:02	
Barium	"	**69700**	-----	5330	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	533	"	"	"	04/20/06 13:18	"	
Chromium	"	**28700**	-----	533	"	"	"	04/20/06 13:18	"	
Lead	"	**5850**	-----	533	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	323	"	"	6D2704	04/27/06 12:16	05/01/06 12:11	
Selenium	EPA 6020	ND	-----	533	"	"	6D2004	04/20/06 13:18	04/22/06 01:02	
Silver	"	**3270**	-----	533	"	"	"	04/20/06 13:18	"	
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Arsenic	EPA 6020	**2120**	-----	605	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 01:08	
Barium	"	**69200**	-----	6050	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	605	"	"	"	04/20/06 13:18	"	
Chromium	"	**35800**	-----	605	"	"	"	04/20/06 13:18	"	
Lead	"	**2660**	-----	605	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	442	"	"	6D2704	04/27/06 12:16	05/01/06 12:13	
Selenium	EPA 6020	ND	-----	605	"	"	6D2004	04/20/06 13:18	04/22/06 01:08	
Silver	"	ND	-----	605	"	"	"	04/20/06 13:18	"	

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
Arsenic	EPA 6020	**2380**	-----	558	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 01:13	
Barium	"	**60400**	-----	5580	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	558	"	"	"	04/20/06 13:18	"	
Chromium	"	**30900**	-----	558	"	"	"	04/20/06 13:18	"	
Lead	"	**2290**	-----	558	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	379	"	"	6D2704	04/27/06 12:16	05/01/06 12:16	
Selenium	EPA 6020	ND	-----	558	"	"	6D2004	04/20/06 13:18	04/22/06 01:13	
Silver	"	ND	-----	558	"	"	"	04/20/06 13:18	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Acetone	EPA 8260B	ND	-----	34.8	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 14:00	
Benzene	"	ND	-----	1.74	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	11.6	"	"	"	04/21/06 09:00	"	
2-Butanone	"	ND	-----	17.4	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	3.48	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	2.32	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.90	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	11.6	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	11.6	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	2.32	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.45	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	3.48	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	ND	-----	3.48	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.90	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	11.6	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.45	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	4.64	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	1.16	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 14:00	
2-Hexanone	"	ND	-----	23.2	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	23.2	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	4.06	"	"	"	04/21/06 09:00	"	
Naphthalene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	1.16	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	2.32	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.74	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.90	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.45	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	ND	-----	2.90	"	"	"	04/21/06 09:00	"	
Trichlorofluoromethane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.90	"	"	"	04/21/06 09:00	"	
o-Xylene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	5.80	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	11.6	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*101%*			*60 - 140 %*	"			"	
Toluene-d8		*102%*			*60 - 140 %*	"			"	
4-BFB		*100%*			*60 - 140 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Acetone	EPA 8260B	ND	-----	25.8	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 14:23	
Benzene	"	ND	-----	1.29	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	8.60	"	"	"	04/21/06 09:00	"	
2-Butanone	"	ND	-----	12.9	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	2.58	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	1.72	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.15	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	8.60	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.60	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	1.72	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.07	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	2.58	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	ND	-----	2.58	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.15	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	8.60	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.07	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	3.44	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.860	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 14:23	
2-Hexanone	"	ND	-----	17.2	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	17.2	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	3.01	"	"	"	04/21/06 09:00	"	
Naphthalene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	0.860	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	1.72	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.29	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.15	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.07	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	ND	-----	2.15	"	"	"	04/21/06 09:00	"	
Trichlorofluoromethane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.15	"	"	"	04/21/06 09:00	"	
o-Xylene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	4.30	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	8.60	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*100%*		*60 - 140 %*	"				"	
Toluene-d8		*101%*		*60 - 140 %*	"				"	
4-BFB		*98.8%*		*60 - 140 %*	"				"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Acetone	EPA 8260B	ND	-----	27.6	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 14:47	
Benzene	"	ND	-----	1.38	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	9.21	"	"	"	04/21/06 09:00	"	
2-Butanone	"	ND	-----	13.8	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	2.76	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	1.84	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.30	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	9.21	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.21	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	1.84	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.15	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	2.76	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	ND	-----	2.76	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.30	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	9.21	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.15	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	3.68	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.921	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 14:47	
2-Hexanone	"	ND	-----	18.4	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	18.4	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	3.22	"	"	"	04/21/06 09:00	"	
Naphthalene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	0.921	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	1.84	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.38	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.30	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.15	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	**3.10**	-----	2.30	"	"	"	04/21/06 09:00	"	
Trichlorofluoromethane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.30	"	"	"	04/21/06 09:00	"	
o-Xylene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	4.60	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	9.21	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*97.0%*		*60 - 140 %*	"				"	
Toluene-d8		*101%*		*60 - 140 %*	"				"	
4-BFB		*99.7%*		*60 - 140 %*	"				"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						**A-01**
Acetone	EPA 8260B	ND	-----	27.6	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 11:12	
Benzene	"	ND	-----	1.38	"	"	"	04/24/06 08:56	"	
Bromobenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Bromochloromethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Bromodichloromethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Bromoform	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Bromomethane	"	ND	-----	9.20	"	"	"	04/24/06 08:56	"	
2-Butanone	"	ND	-----	13.8	"	"	"	04/24/06 08:56	"	
n-Butylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
sec-Butylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
tert-Butylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Carbon disulfide	"	ND	-----	2.76	"	"	"	04/24/06 08:56	"	
Carbon tetrachloride	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Chlorobenzene	"	ND	-----	1.84	"	"	"	04/24/06 08:56	"	
Chloroethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Chloroform	"	ND	-----	2.30	"	"	"	04/24/06 08:56	"	
Chloromethane	"	ND	-----	9.20	"	"	"	04/24/06 08:56	"	**Q-41**
2-Chlorotoluene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
4-Chlorotoluene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Dibromochloromethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.20	"	"	"	04/24/06 08:56	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Dibromomethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,2-Dichlorobenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,3-Dichlorobenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,4-Dichlorobenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Dichlorodifluoromethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	1.84	"	"	"	04/24/06 08:56	"	
1,2-Dichloroethane	"	ND	-----	1.15	"	"	"	04/24/06 08:56	"	
1,1-Dichloroethene	"	ND	-----	2.76	"	"	"	04/24/06 08:56	"	
cis-1,2-Dichloroethene	"	ND	-----	2.76	"	"	"	04/24/06 08:56	"	
trans-1,2-Dichloroethene	"	ND	-----	2.30	"	"	"	04/24/06 08:56	"	
1,2-Dichloropropane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,3-Dichloropropane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
2,2-Dichloropropane	"	ND	-----	9.20	"	"	"	04/24/06 08:56	"	
1,1-Dichloropropene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
cis-1,3-Dichloropropene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
trans-1,3-Dichloropropene	"	ND	-----	1.15	"	"	"	04/24/06 08:56	"	
Ethylbenzene	"	ND	-----	3.68	"	"	"	04/24/06 08:56	"	
Hexachlorobutadiene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						**A-01**
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.920	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 11:12	
2-Hexanone	"	ND	-----	18.4	"	"	"	04/24/06 08:56	"	
Isopropylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
p-Isopropyltoluene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
4-Methyl-2-pentanone	"	ND	-----	18.4	"	"	"	04/24/06 08:56	"	
Methylene chloride	"	ND	-----	3.22	"	"	"	04/24/06 08:56	"	
Naphthalene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
n-Propylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Styrene	"	ND	-----	0.920	"	"	"	04/24/06 08:56	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Tetrachloroethene	"	ND	-----	1.84	"	"	"	04/24/06 08:56	"	
Toluene	"	ND	-----	1.38	"	"	"	04/24/06 08:56	"	
1,1,1-Trichloroethane	"	ND	-----	2.30	"	"	"	04/24/06 08:56	"	
1,1,2-Trichloroethane	"	ND	-----	1.15	"	"	"	04/24/06 08:56	"	
Trichloroethene	"	ND	-----	2.30	"	"	"	04/24/06 08:56	"	
Trichlorofluoromethane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,2,3-Trichloropropane	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Vinyl chloride	"	ND	-----	2.30	"	"	"	04/24/06 08:56	"	
o-Xylene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
m,p-Xylene	"	ND	-----	4.60	"	"	"	04/24/06 08:56	"	
Total Xylenes	"	ND	-----	9.20	"	"	"	04/24/06 08:56	"	
Surrogate(s): *1,2-DCA-d4*		*97.6%*		*60 - 140 %*	"				"	
Toluene-d8		*101%*		*60 - 140 %*	"				"	
4-BFB		*99.5%*		*60 - 140 %*	"				"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						**A-01**
Acetone	EPA 8260B	ND	-----	29.5	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 12:23	
Benzene	"	ND	-----	1.48	"	"	"	04/24/06 08:56	"	
Bromobenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Bromochloromethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Bromodichloromethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Bromoform	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Bromomethane	"	ND	-----	9.83	"	"	"	04/24/06 08:56	"	
2-Butanone	"	ND	-----	14.8	"	"	"	04/24/06 08:56	"	
n-Butylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
sec-Butylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
tert-Butylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Carbon disulfide	"	ND	-----	2.95	"	"	"	04/24/06 08:56	"	
Carbon tetrachloride	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Chlorobenzene	"	ND	-----	1.97	"	"	"	04/24/06 08:56	"	
Chloroethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Chloroform	"	ND	-----	2.46	"	"	"	04/24/06 08:56	"	
Chloromethane	"	ND	-----	9.83	"	"	"	04/24/06 08:56	"	**Q-41**
2-Chlorotoluene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
4-Chlorotoluene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Dibromochloromethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.83	"	"	"	04/24/06 08:56	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Dibromomethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,2-Dichlorobenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,3-Dichlorobenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,4-Dichlorobenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Dichlorodifluoromethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	1.97	"	"	"	04/24/06 08:56	"	
1,2-Dichloroethane	"	ND	-----	1.23	"	"	"	04/24/06 08:56	"	
1,1-Dichloroethene	"	ND	-----	2.95	"	"	"	04/24/06 08:56	"	
cis-1,2-Dichloroethene	"	ND	-----	2.95	"	"	"	04/24/06 08:56	"	
trans-1,2-Dichloroethene	"	ND	-----	2.46	"	"	"	04/24/06 08:56	"	
1,2-Dichloropropane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,3-Dichloropropane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
2,2-Dichloropropane	"	ND	-----	9.83	"	"	"	04/24/06 08:56	"	
1,1-Dichloropropene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
cis-1,3-Dichloropropene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
trans-1,3-Dichloropropene	"	ND	-----	1.23	"	"	"	04/24/06 08:56	"	
Ethylbenzene	"	ND	-----	3.93	"	"	"	04/24/06 08:56	"	
Hexachlorobutadiene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						**A-01**
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.983	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 12:23	
2-Hexanone	"	ND	-----	19.7	"	"	"	04/24/06 08:56	"	
Isopropylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
p-Isopropyltoluene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
4-Methyl-2-pentanone	"	ND	-----	19.7	"	"	"	04/24/06 08:56	"	
Methylene chloride	"	ND	-----	3.44	"	"	"	04/24/06 08:56	"	
Naphthalene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
n-Propylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Styrene	"	ND	-----	0.983	"	"	"	04/24/06 08:56	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Tetrachloroethene	"	ND	-----	1.97	"	"	"	04/24/06 08:56	"	
Toluene	"	ND	-----	1.48	"	"	"	04/24/06 08:56	"	
1,1,1-Trichloroethane	"	ND	-----	2.46	"	"	"	04/24/06 08:56	"	
1,1,2-Trichloroethane	"	ND	-----	1.23	"	"	"	04/24/06 08:56	"	
Trichloroethene	"	ND	-----	2.46	"	"	"	04/24/06 08:56	"	
Trichlorofluoromethane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,2,3-Trichloropropane	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Vinyl chloride	"	ND	-----	2.46	"	"	"	04/24/06 08:56	"	
o-Xylene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
m,p-Xylene	"	ND	-----	4.92	"	"	"	04/24/06 08:56	"	
Total Xylenes	"	ND	-----	9.83	"	"	"	04/24/06 08:56	"	
Surrogate(s):	*1,2-DCA-d4*	*97.5%*		*60 - 140 %*	"				"	
	Toluene-d8	*101%*		*60 - 140 %*	"				"	
	4-BFB	*100%*		*60 - 140 %*	"				"	

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Acetone	EPA 8260B	ND	-----	25.7	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 19:37	
Benzene	"	ND	-----	1.28	"	"	"	04/24/06 08:56	"	
Bromobenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Bromochloromethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Bromodichloromethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Bromoform	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Bromomethane	"	ND	-----	8.56	"	"	"	04/24/06 08:56	"	
2-Butanone	"	ND	-----	12.8	"	"	"	04/24/06 08:56	"	
n-Butylbenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
sec-Butylbenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
tert-Butylbenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Carbon disulfide	"	ND	-----	2.57	"	"	"	04/24/06 08:56	"	
Carbon tetrachloride	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Chlorobenzene	"	ND	-----	1.71	"	"	"	04/24/06 08:56	"	
Chloroethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Chloroform	"	ND	-----	2.14	"	"	"	04/24/06 08:56	"	
Chloromethane	"	ND	-----	8.56	"	"	"	04/24/06 08:56	"	**Q-41**
2-Chlorotoluene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
4-Chlorotoluene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Dibromochloromethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.56	"	"	"	04/24/06 08:56	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Dibromomethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,2-Dichlorobenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,3-Dichlorobenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,4-Dichlorobenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Dichlorodifluoromethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	1.71	"	"	"	04/24/06 08:56	"	
1,2-Dichloroethane	"	ND	-----	1.07	"	"	"	04/24/06 08:56	"	
1,1-Dichloroethene	"	ND	-----	2.57	"	"	"	04/24/06 08:56	"	
cis-1,2-Dichloroethene	"	ND	-----	2.57	"	"	"	04/24/06 08:56	"	
trans-1,2-Dichloroethene	"	ND	-----	2.14	"	"	"	04/24/06 08:56	"	
1,2-Dichloropropane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,3-Dichloropropane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
2,2-Dichloropropane	"	ND	-----	8.56	"	"	"	04/24/06 08:56	"	
1,1-Dichloropropene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
cis-1,3-Dichloropropene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
trans-1,3-Dichloropropene	"	ND	-----	1.07	"	"	"	04/24/06 08:56	"	
Ethylbenzene	"	ND	-----	3.42	"	"	"	04/24/06 08:56	"	
Hexachlorobutadiene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.856	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 19:37	
2-Hexanone	"	ND	-----	17.1	"	"	"	04/24/06 08:56	"	
Isopropylbenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
p-Isopropyltoluene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
4-Methyl-2-pentanone	"	ND	-----	17.1	"	"	"	04/24/06 08:56	"	
Methylene chloride	"	ND	-----	3.00	"	"	"	04/24/06 08:56	"	
Naphthalene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
n-Propylbenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Styrene	"	ND	-----	0.856	"	"	"	04/24/06 08:56	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Tetrachloroethene	"	ND	-----	1.71	"	"	"	04/24/06 08:56	"	
Toluene	"	ND	-----	1.28	"	"	"	04/24/06 08:56	"	
1,1,1-Trichloroethane	"	ND	-----	2.14	"	"	"	04/24/06 08:56	"	
1,1,2-Trichloroethane	"	ND	-----	1.07	"	"	"	04/24/06 08:56	"	
Trichloroethene	"	ND	-----	2.14	"	"	"	04/24/06 08:56	"	
Trichlorofluoromethane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,2,3-Trichloropropane	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
1,2,4-Trimethylbenzene	"	**4.79**	-----	4.28	"	"	"	04/24/06 08:56	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
Vinyl chloride	"	ND	-----	2.14	"	"	"	04/24/06 08:56	"	
o-Xylene	"	ND	-----	4.28	"	"	"	04/24/06 08:56	"	
m,p-Xylene	"	**10.6**	-----	4.28	"	"	"	04/24/06 08:56	"	
Total Xylenes	"	**11.9**	-----	8.56	"	"	"	04/24/06 08:56	"	
Surrogate(s): *1,2-DCA-d4*		*99.7%*		*60 - 140 %*	"				"	
Toluene-d8		*99.1%*		*60 - 140 %*	"				"	
4-BFB		*96.2%*		*60 - 140 %*	"				"	

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Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Acetone	EPA 8260B	ND	-----	26.5	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 11:59	
Benzene	"	ND	-----	1.33	"	"	"	04/24/06 08:56	"	
Bromobenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Bromochloromethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Bromodichloromethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Bromoform	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Bromomethane	"	ND	-----	8.85	"	"	"	04/24/06 08:56	"	
2-Butanone	"	ND	-----	13.3	"	"	"	04/24/06 08:56	"	
n-Butylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
sec-Butylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
tert-Butylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Carbon disulfide	"	ND	-----	2.65	"	"	"	04/24/06 08:56	"	
Carbon tetrachloride	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Chlorobenzene	"	ND	-----	1.77	"	"	"	04/24/06 08:56	"	
Chloroethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Chloroform	"	ND	-----	2.21	"	"	"	04/24/06 08:56	"	
Chloromethane	"	ND	-----	8.85	"	"	"	04/24/06 08:56	"	**Q-41**
2-Chlorotoluene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
4-Chlorotoluene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Dibromochloromethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.85	"	"	"	04/24/06 08:56	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Dibromomethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,2-Dichlorobenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,3-Dichlorobenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,4-Dichlorobenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Dichlorodifluoromethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	1.77	"	"	"	04/24/06 08:56	"	
1,2-Dichloroethane	"	ND	-----	1.11	"	"	"	04/24/06 08:56	"	
1,1-Dichloroethene	"	ND	-----	2.65	"	"	"	04/24/06 08:56	"	
cis-1,2-Dichloroethene	"	ND	-----	2.65	"	"	"	04/24/06 08:56	"	
trans-1,2-Dichloroethene	"	ND	-----	2.21	"	"	"	04/24/06 08:56	"	
1,2-Dichloropropane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,3-Dichloropropane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
2,2-Dichloropropane	"	ND	-----	8.85	"	"	"	04/24/06 08:56	"	
1,1-Dichloropropene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
cis-1,3-Dichloropropene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
trans-1,3-Dichloropropene	"	ND	-----	1.11	"	"	"	04/24/06 08:56	"	
Ethylbenzene	"	ND	-----	3.54	"	"	"	04/24/06 08:56	"	
Hexachlorobutadiene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.885	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 11:59	
2-Hexanone	"	ND	-----	17.7	"	"	"	04/24/06 08:56	"	
Isopropylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
p-Isopropyltoluene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
4-Methyl-2-pentanone	"	ND	-----	17.7	"	"	"	04/24/06 08:56	"	
Methylene chloride	"	ND	-----	3.10	"	"	"	04/24/06 08:56	"	
Naphthalene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
n-Propylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Styrene	"	ND	-----	0.885	"	"	"	04/24/06 08:56	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Tetrachloroethene	"	ND	-----	1.77	"	"	"	04/24/06 08:56	"	
Toluene	"	ND	-----	1.33	"	"	"	04/24/06 08:56	"	
1,1,1-Trichloroethane	"	ND	-----	2.21	"	"	"	04/24/06 08:56	"	
1,1,2-Trichloroethane	"	ND	-----	1.11	"	"	"	04/24/06 08:56	"	
Trichloroethene	"	ND	-----	2.21	"	"	"	04/24/06 08:56	"	
Trichlorofluoromethane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,2,3-Trichloropropane	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Vinyl chloride	"	ND	-----	2.21	"	"	"	04/24/06 08:56	"	
o-Xylene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
m,p-Xylene	"	ND	-----	4.42	"	"	"	04/24/06 08:56	"	
Total Xylenes	"	ND	-----	8.85	"	"	"	04/24/06 08:56	"	
Surrogate(s): *1,2-DCA-d4*		*94.4%*		*60 - 140 %*	"				"	
Toluene-d8		*99.7%*		*60 - 140 %*	"				"	
4-BFB		*100%*		*60 - 140 %*	"				"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
Acetone	EPA 8260B	ND	-----	35.8	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 11:35	
Benzene	"	ND	-----	1.79	"	"	"	04/24/06 08:56	"	
Bromobenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Bromochloromethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Bromodichloromethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Bromoform	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Bromomethane	"	ND	-----	11.9	"	"	"	04/24/06 08:56	"	
2-Butanone	"	ND	-----	17.9	"	"	"	04/24/06 08:56	"	
n-Butylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
sec-Butylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
tert-Butylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Carbon disulfide	"	ND	-----	3.58	"	"	"	04/24/06 08:56	"	
Carbon tetrachloride	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Chlorobenzene	"	ND	-----	2.38	"	"	"	04/24/06 08:56	"	
Chloroethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Chloroform	"	ND	-----	2.98	"	"	"	04/24/06 08:56	"	
Chloromethane	"	ND	-----	11.9	"	"	"	04/24/06 08:56	"	**Q-41**
2-Chlorotoluene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
4-Chlorotoluene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Dibromochloromethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	11.9	"	"	"	04/24/06 08:56	"	
1,2-Dibromoethane (EDB)	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Dibromomethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,2-Dichlorobenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,3-Dichlorobenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,4-Dichlorobenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Dichlorodifluoromethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	2.38	"	"	"	04/24/06 08:56	"	
1,2-Dichloroethane	"	ND	-----	1.49	"	"	"	04/24/06 08:56	"	
1,1-Dichloroethene	"	ND	-----	3.58	"	"	"	04/24/06 08:56	"	
cis-1,2-Dichloroethene	"	ND	-----	3.58	"	"	"	04/24/06 08:56	"	
trans-1,2-Dichloroethene	"	ND	-----	2.98	"	"	"	04/24/06 08:56	"	
1,2-Dichloropropane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,3-Dichloropropane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
2,2-Dichloropropane	"	ND	-----	11.9	"	"	"	04/24/06 08:56	"	
1,1-Dichloropropene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
cis-1,3-Dichloropropene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
trans-1,3-Dichloropropene	"	ND	-----	1.49	"	"	"	04/24/06 08:56	"	
Ethylbenzene	"	ND	-----	4.77	"	"	"	04/24/06 08:56	"	
Hexachlorobutadiene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	1.19	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 11:35	
2-Hexanone	"	ND	-----	23.8	"	"	"	04/24/06 08:56	"	
Isopropylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
p-Isopropyltoluene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
4-Methyl-2-pentanone	"	ND	-----	23.8	"	"	"	04/24/06 08:56	"	
Methylene chloride	"	ND	-----	4.17	"	"	"	04/24/06 08:56	"	
Naphthalene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
n-Propylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Styrene	"	ND	-----	1.19	"	"	"	04/24/06 08:56	"	
1,2,3-Trichlorobenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,2,4-Trichlorobenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Tetrachloroethene	"	ND	-----	2.38	"	"	"	04/24/06 08:56	"	
Toluene	"	ND	-----	1.79	"	"	"	04/24/06 08:56	"	
1,1,1-Trichloroethane	"	ND	-----	2.98	"	"	"	04/24/06 08:56	"	
1,1,2-Trichloroethane	"	ND	-----	1.49	"	"	"	04/24/06 08:56	"	
Trichloroethene	"	ND	-----	2.98	"	"	"	04/24/06 08:56	"	
Trichlorofluoromethane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,2,3-Trichloropropane	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,2,4-Trimethylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
1,3,5-Trimethylbenzene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Vinyl chloride	"	ND	-----	2.98	"	"	"	04/24/06 08:56	"	
o-Xylene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
m,p-Xylene	"	ND	-----	5.96	"	"	"	04/24/06 08:56	"	
Total Xylenes	"	ND	-----	11.9	"	"	"	04/24/06 08:56	"	
Surrogate(s): *1,2-DCA-d4*		*98.7%*			*60 - 140 %*	"			"	
Toluene-d8		*104%*			*60 - 140 %*	"			"	
4-BFB		*104%*			*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Acetone	EPA 8260B	ND	-----	1390	ug/kg dry	1x	6D2602	04/26/06 08:20	04/26/06 17:55	
Benzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Bromobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Bromochloromethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Bromodichloromethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Bromoform	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Bromomethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
2-Butanone	"	ND	-----	1390	"	"	"	04/26/06 08:20	"	
n-Butylbenzene	"	**6610**	-----	139	"	"	"	04/26/06 08:20	"	
sec-Butylbenzene	"	**2840**	-----	139	"	"	"	04/26/06 08:20	"	
tert-Butylbenzene	"	**159**	-----	139	"	"	"	04/26/06 08:20	"	
Carbon disulfide	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Carbon tetrachloride	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Chlorobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Chloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Chloroform	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Chloromethane	"	ND	-----	696	"	"	"	04/26/06 08:20	"	
2-Chlorotoluene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
4-Chlorotoluene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Dibromochloromethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	696	"	"	"	04/26/06 08:20	"	
1,2-Dibromoethane (EDB)	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Dibromomethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2-Dichlorobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,3-Dichlorobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,4-Dichlorobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Dichlorodifluoromethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1-Dichloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2-Dichloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1-Dichloroethene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
cis-1,2-Dichloroethene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
trans-1,2-Dichloroethene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2-Dichloropropane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,3-Dichloropropane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
2,2-Dichloropropane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1-Dichloropropene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
cis-1,3-Dichloropropene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
trans-1,3-Dichloropropene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Ethylbenzene	"	**1300**	-----	139	"	"	"	04/26/06 08:20	"	
Hexachlorobutadiene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	696	ug/kg dry	1x	6D2602	04/26/06 08:20	04/26/06 17:55	
2-Hexanone	"	ND	-----	1390	"	"	"	04/26/06 08:20	"	
Isopropylbenzene	"	**898**	-----	139	"	"	"	04/26/06 08:20	"	
p-Isopropyltoluene	"	**1010**	-----	139	"	"	"	04/26/06 08:20	"	
4-Methyl-2-pentanone	"	ND	-----	1390	"	"	"	04/26/06 08:20	"	
Methylene chloride	"	ND	-----	1390	"	"	"	04/26/06 08:20	"	
Naphthalene	"	**1710**	-----	139	"	"	"	04/26/06 08:20	"	
n-Propylbenzene	"	**3320**	-----	139	"	"	"	04/26/06 08:20	"	
Styrene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2,3-Trichlorobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2,4-Trichlorobenzene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Tetrachloroethene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Toluene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1,1-Trichloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,1,2-Trichloroethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Trichloroethene	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Trichlorofluoromethane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2,3-Trichloropropane	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
1,2,4-Trimethylbenzene	"	**17000**	-----	139	"	"	"	04/26/06 08:20	"	E
1,3,5-Trimethylbenzene	"	**7860**	-----	139	"	"	"	04/26/06 08:20	"	
Vinyl chloride	"	ND	-----	139	"	"	"	04/26/06 08:20	"	
Total Xylenes	"	**2300**	-----	418	"	"	"	04/26/06 08:20	"	
Surrogate(s): 1,2-DCA-d4		*89.9%*			*70 - 130 %*	"			"	
Toluene-d8		*107%*			*70 - 130 %*	"			"	
4-BFB		*85.6%*			*70 - 130 %*	"			"	
BPD0447-04RE1 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
1,2,4-Trimethylbenzene	EPA 8260B	**19500**	-----	696	ug/kg dry	5x	6D2602	04/26/06 08:20	04/27/06 16:34	
Surrogate(s): 1,2-DCA-d4		*88.8%*			*70 - 130 %*	*1x*			"	
Toluene-d8		*99.3%*			*70 - 130 %*	"			"	
4-BFB		*101%*			*70 - 130 %*	"			"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Acenaphthene	EPA 8270C	ND	-----	355	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 22:50	
Acenaphthylene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1080	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5380	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	538	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	538	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 22:50	
N-Nitrosodiphenylamine	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	538	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	538	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	355	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*76.5%*			*27 - 126 %*	"			"	
2-FP		*83.8%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*81.0%*			*26 - 125 %*	"			"	
Phenol-d6		*81.9%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*80.4%*			*26 - 150 %*	"			"	
2,4,6-TBP		*76.0%*			*10 - 152 %*	"			"	

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Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Acenaphthene	EPA 8270C	ND	-----	384	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 23:22	
Acenaphthylene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1160	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5820	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	582	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	582	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 23:22	
N-Nitrosodiphenylamine	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	582	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	582	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	384	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*81.4%*		*27 - 126 %*	"				"	
2-FP		*91.8%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*88.1%*		*26 - 125 %*	"				"	
Phenol-d6		*88.7%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*88.1%*		*26 - 150 %*	"				"	
2,4,6-TBP		*83.2%*		*10 - 152 %*	"				"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Acenaphthene	EPA 8270C	ND	-----	373	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 23:55	
Acenaphthylene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1130	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5660	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	566	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	566	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 23:55	
N-Nitrosodiphenylamine	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	566	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	566	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	373	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*79.4%*		*27 - 126 %*	"				"	
2-FP		*88.1%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*84.7%*		*26 - 125 %*	"				"	
Phenol-d6		*84.6%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*88.9%*		*26 - 150 %*	"				"	
2,4,6-TBP		*79.0%*		*10 - 152 %*	"				"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Acenaphthene	EPA 8270C	ND	-----	385	ug/kg dry	1x	6D2105	04/21/06 13:37	04/25/06 17:55	
Acenaphthylene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1170	"	"	"	04/21/06 13:37	"	**Q-40**
Benzyl alcohol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5830	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	583	"	"	"	04/21/06 13:37	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	583	ug/kg dry	1x	6D2105	04/21/06 13:37	04/25/06 17:55	
N-Nitrosodiphenylamine	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Fluorene	"	**441**	-----	385	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	**790**	-----	385	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	**838**	-----	385	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
4-Nitroaniline	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	583	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	**690**	-----	385	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	385	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*67.5%*			*27 - 126 %*	"			"	
2-FP		*71.5%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*80.9%*			*26 - 125 %*	"			"	
Phenol-d6		*72.0%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*71.6%*			*26 - 150 %*	"			"	
2,4,6-TBP		*79.4%*			*10 - 152 %*	"			"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						
Acenaphthene	EPA 8270C	ND	-----	417	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 00:28	
Acenaphthylene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1260	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	6320	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	632	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	632	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 00:28	
N-Nitrosodiphenylamine	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	632	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	632	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	417	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*79.6%*			*27 - 126 %*	"			"	
2-FP		*83.9%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*85.8%*			*26 - 125 %*	"			"	
Phenol-d6		*84.4%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*83.9%*			*26 - 150 %*	"			"	
2,4,6-TBP		*66.8%*			*10 - 152 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						
Acenaphthene	EPA 8270C	ND	-----	425	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 01:01	
Acenaphthylene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1290	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	6440	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	644	"	"	"	04/21/06 13:37	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	644	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 01:01	
N-Nitrosodiphenylamine	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	644	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	644	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	425	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*78.1%*		*27 - 126 %*	"				"	
2-FP		*89.3%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*85.6%*		*26 - 125 %*	"				"	
Phenol-d6		*86.2%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*86.0%*		*26 - 150 %*	"				"	
2,4,6-TBP		*81.6%*		*10 - 152 %*	"				"	

TestAmerica - Seattle, WA

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Acenaphthene	EPA 8270C	ND	-----	381	ug/kg dry	1x	6D2105	04/21/06 13:37	04/25/06 18:28	
Acenaphthylene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1150	"	"	"	04/21/06 13:37	"	**Q-40**
Benzyl alcohol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5770	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	577	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	577	ug/kg dry	1x	6D2105	04/21/06 13:37	04/25/06 18:28	
N-Nitrosodiphenylamine	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
4-Nitroaniline	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	577	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	381	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*73.4%*			*27 - 126 %*	"			"	
2-FP		*80.7%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*81.2%*			*26 - 125 %*	"			"	
Phenol-d6		*78.1%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*79.2%*			*26 - 150 %*	"			"	
2,4,6-TBP		*90.1%*			*10 - 152 %*	"			"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Acenaphthene	EPA 8270C	ND	-----	406	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 01:33	
Acenaphthylene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1230	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	6150	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	615	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	615	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 01:33	
N-Nitrosodiphenylamine	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	615	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	615	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	406	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*75.1%*			*27 - 126 %*	"			"	
2-FP		*82.4%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*79.5%*			*26 - 125 %*	"			"	
Phenol-d6		*80.5%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*85.4%*			*26 - 150 %*	"			"	
2,4,6-TBP		*74.9%*			*10 - 152 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
Acenaphthene	EPA 8270C	ND	-----	387	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 02:06	
Acenaphthylene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1170	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5870	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	587	"	"	"	04/21/06 13:37	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	587	ug/kg dry	1x	6D2105	04/21/06 13:37	04/24/06 02:06	
N-Nitrosodiphenylamine	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	587	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	587	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	387	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*71.9%*		*27 - 126 %*	"				"	
2-FP		*80.6%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*78.1%*		*26 - 125 %*	"				"	
Phenol-d6		*78.5%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*76.5%*		*26 - 150 %*	"				"	
2,4,6-TBP		*74.9%*		*10 - 152 %*	"				"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Physical Parameters by APHA/ASTM/EPA Methods

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**		**Sampled: 04/17/06 10:10**						
Dry Weight	BSOPSPL003R 08	**94.5**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-02 (B02-4.5)		**Soil**		**Sampled: 04/17/06 13:02**						
Dry Weight	BSOPSPL003R 08	**85.9**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-03 (B02-11)		**Soil**		**Sampled: 04/17/06 13:42**						
Dry Weight	BSOPSPL003R 08	**89.3**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-04 (B03-6)		**Soil**		**Sampled: 04/18/06 09:38**						
Dry Weight	BSOPSPL003R 08	**84.9**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-05 (B03-12)		**Soil**		**Sampled: 04/18/06 10:01**						
Dry Weight	BSOPSPL003R 08	**80.4**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-06 (B03-16)		**Soil**		**Sampled: 04/18/06 11:27**						
Dry Weight	BSOPSPL003R 08	**78.7**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-07 (B04-1)		**Soil**		**Sampled: 04/18/06 13:15**						
Dry Weight	BSOPSPL003R 08	**85.3**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-08 (B04-10)		**Soil**		**Sampled: 04/18/06 13:59**						
Dry Weight	BSOPSPL003R 08	**81.8**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0447-09 (B04-22)		**Soil**		**Sampled: 04/18/06 14:50**						
Dry Weight	BSOPSPL003R 08	**86.1**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21027 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21027-BLK1)									**Extracted: 04/21/06 09:39**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 11:27	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.3%*			*Limits: 50-150%*	"							*04/21/06 11:27*	
LCS (6D21027-BS1)									**Extracted: 04/21/06 09:39**					
Gasoline Range Hydrocarbons	NWTPH-Gx	51000	---	5000	ug/kg wet	1x	--	50000	102%	(75-125)	--	--	04/21/06 11:56	
Surrogate(s): 4-BFB (FID)		*Recovery: 107%*			*Limits: 50-150%*	"							*04/21/06 11:56*	
Duplicate (6D21027-DUP1)					**QC Source: BPD0443-01**				**Extracted: 04/21/06 09:39**					
Gasoline Range Hydrocarbons	NWTPH-Gx	56800	---	6260	ug/kg dry	1x	57300	--	--	--	0.876	(40)	04/21/06 16:07	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 99.7%*			*Limits: 50-150%*	"							*04/21/06 16:07*	
Duplicate (6D21027-DUP2)					**QC Source: BPD0443-02**				**Extracted: 04/21/06 09:39**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4780	ug/kg dry	1x	ND	--	--	--	3.86%	(40)	04/21/06 15:37	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.5%*			*Limits: 50-150%*	"							*04/21/06 15:37*	
Matrix Spike (6D21027-MS1)					**QC Source: BPD0443-01**				**Extracted: 04/21/06 09:39**					
Gasoline Range Hydrocarbons	NWTPH-Gx	184000	---	6260	ug/kg dry	1x	57300	62600	202%	(42-125)	--	--	04/21/06 18:05	MS-3
Surrogate(s): 4-BFB (FID)		*Recovery: 127%*			*Limits: 50-150%*	"							*04/21/06 18:05*	

QC Batch: 6D25025 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D25025-BLK1)									**Extracted: 04/25/06 10:29**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/25/06 10:48	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.3%*			*Limits: 50-150%*	"							*04/25/06 10:48*	
LCS (6D25025-BS1)									**Extracted: 04/25/06 10:29**					
Gasoline Range Hydrocarbons	NWTPH-Gx	48300	---	5000	ug/kg wet	1x	--	50000	96.6%	(75-125)	--	--	04/25/06 11:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 96.0%*			*Limits: 50-150%*	"							*04/25/06 11:34*	
Duplicate (6D25025-DUP1)					**QC Source: BPD0569-03**				**Extracted: 04/25/06 10:29**					
Gasoline Range Hydrocarbons	NWTPH-Gx	91600	---	5070	ug/kg dry	1x	83900	--	--	--	8.77%	(40)	04/25/06 18:02	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 115%*			*Limits: 50-150%*	"							*04/25/06 18:02*	
Duplicate (6D25025-DUP2)					**QC Source: BPD0569-05**				**Extracted: 04/25/06 10:29**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5310	ug/kg dry	1x	ND	--	--	--	66.3%	(40)	04/25/06 19:04	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 88.1%*			*Limits: 50-150%*	"							*04/25/06 19:04*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D25025 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (6D25025-MS1)					**QC Source: BPD0569-03**				**Extracted: 04/25/06 10:29**					
Gasoline Range Hydrocarbons	NWTPH-Gx	128000	---	5070	ug/kg dry	1x	83900	50700	87.0%	(42-125)	--	--	04/25/06 19:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 114%*			*Limits: 50-150%*	"							*04/25/06 19:34*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

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QC Batch: 6D21059 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21059-BLK1)								**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10000	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 13:14	
Lube Oil Range Hydrocarbons	"	ND	---	25000	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 99.5%*			*Limits: 50-150%*	"							*04/27/06 13:14*	
Octacosane		*100%*			*50-150%*	"							"	
LCS (6D21059-BS1)								**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	69700	---	10000	ug/kg wet	1x	--	66700	104%	(71-120)	--	--	04/28/06 18:10	
Lube Oil Range Hydrocarbons	"	70500	---	25000	"	"	--	"	106%	(60-140)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 88.4%*			*Limits: 50-150%*	"							*04/28/06 18:10*	
Octacosane		*93.6%*			*50-150%*	"							"	
Duplicate (6D21059-DUP1)					**QC Source: BPD0447-05**			**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	12600	ug/kg dry	1x	ND	--	--	--		(40)	04/27/06 13:58	
Lube Oil Range Hydrocarbons	"	ND	---	31400	"	"	ND	--	--	--	23.7%	"	"	
Surrogate(s): 2-FBP		*Recovery: 87.2%*			*Limits: 50-150%*	"							*04/27/06 13:58*	
Octacosane		*93.6%*			*50-150%*	"							"	
Duplicate (6D21059-DUP2)					**QC Source: BPD0443-03**			**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	672000	---	57900	ug/kg dry	5x	897000	--	--	--	28.7%	(40)	04/27/06 15:38	
Lube Oil Range Hydrocarbons	"	1030000	---	145000	"	"	1390000	--	--	--	29.8%	"	"	
Surrogate(s): 2-FBP		*Recovery: 126%*			*Limits: 50-150%*	"							*04/27/06 15:38*	
Octacosane		*87.8%*			*50-150%*	"							"	
Matrix Spike (6D21059-MS1)					**QC Source: BPD0447-05**			**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	101000	---	12500	ug/kg dry	1x	ND	83200	121%	(45-144)	--	--	04/27/06 15:53	
Lube Oil Range Hydrocarbons	"	104000	---	31200	"	"	8170	"	115%	(50-150)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 105%*			*Limits: 50-150%*	"							*04/27/06 15:53*	
Octacosane		*109%*			*50-150%*	"							"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20043 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20043-BLK1)									Extracted: 04/20/06 13:18					
Barium	EPA 6020	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 22:32	
Silver	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
LCS (6D20043-BS1)									Extracted: 04/20/06 13:18					
Selenium	EPA 6020	40000	---	500	ug/kg wet	1x	--	40000	100%	(80-120)	--	--	04/21/06 22:38	
Silver	"	40200	---	500	"	"	--	"	100%	"	--	--	"	
Barium	"	41200	---	5000	"	"	--	"	103%	"	--	--	"	
Cadmium	"	41200	---	500	"	"	--	"	103%	"	--	--	"	
Chromium	"	40400	---	500	"	"	--	"	101%	"	--	--	"	
Lead	"	40900	---	500	"	"	--	"	102%	"	--	--	"	
Arsenic	"	40800	---	500	"	"	--	"	102%	"	--	--	"	
Duplicate (6D20043-DUP1)							QC Source: BPD0443-05		Extracted: 04/20/06 13:18					
Chromium	EPA 6020	36100	---	558	ug/kg dry	1x	33900	--	--	--	6.29%	(30)	04/21/06 22:55	
Cadmium	"	ND	---	558	"	"	ND	--	--	--	25.2%	"	"	
Arsenic	"	2230	---	558	"	"	2240	--	--	--	0.447	"	"	
Silver	"	ND	---	558	"	"	ND	--	--	--	74.9%	(50)	"	DP-1
Selenium	"	ND	---	558	"	"	ND	--	--	--	NR	(30)	"	
Lead	"	2410	---	558	"	"	2380	--	--	--	1.25%	"	"	
Barium	"	63500	---	5580	"	"	60300	--	--	--	5.17%	"	"	
Matrix Spike (6D20043-MS1)							QC Source: BPD0443-05		Extracted: 04/20/06 13:18					
Chromium	EPA 6020	79800	---	558	ug/kg dry	1x	33900	44600	103%	(30-163)	--	--	04/21/06 22:50	
Silver	"	44100	---	558	"	"	83.7	"	98.7%	(54-126)	--	--	"	
Arsenic	"	46600	---	558	"	"	2240	"	99.5%	(57-125)	--	--	"	
Barium	"	109000	---	5580	"	"	60300	"	109%	(20-160)	--	--	"	
Selenium	"	43800	---	558	"	"	ND	"	98.2%	(61-120)	--	--	"	
Cadmium	"	45800	---	558	"	"	156	"	102%	(80-120)	--	--	"	
Lead	"	47800	---	558	"	"	2380	"	102%	(29-166)	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20043 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Post Spike (6D20043-PS1)					**QC Source: BPD0443-05**				**Extracted: 04/20/06 13:18**					
Lead	EPA 6020	0.101	---		ug/ml	1x	0.00426	0.100	96.7%	(75-125)	--	--	04/21/06 22:44	
Selenium	"	0.0971	---		"	"	0.0000800	"	97.0%	"	--	--	"	
Chromium	"	0.157	---		"	"	0.0608	"	96.2%	"	--	--	"	
Arsenic	"	0.107	---		"	"	0.00401	"	103%	"	--	--	"	
Silver	"	0.0972	---		"	"	0.000150	"	97.0%	"	--	--	"	
Barium	"	0.208	---		"	"	0.108	"	100%	"	--	--	"	
Cadmium	"	0.0986	---		"	"	0.000280	"	98.3%	"	--	--	"	

QC Batch: 6D27044 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27044-BLK1)									**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	ND	---	400	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 13:00	
LCS (6D27044-BS1)									**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	750	---	400	ug/kg wet	1x	--	667	112%	(80-120)	--	--	04/27/06 13:03	
Matrix Spike (6D27044-MS1)					**QC Source: BPD0557-01**				**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	988	---	473	ug/kg dry	1x	ND	789	125%	(70-130)	--	--	04/27/06 13:05	
Matrix Spike Dup (6D27044-MSD1)					**QC Source: BPD0557-01**				**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	932	---	473	ug/kg dry	1x	ND	789	118%	(70-130)	5.83%	(30)	04/27/06 13:08	

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Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20042-BLK1)								**Extracted: 04/21/06 09:00**						
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 10:47	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Seattle, WA

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Kate Haney, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20042-BLK1)							**Extracted: 04/21/06 09:00**							
Hexachlorobutadiene	EPA 8260B	ND	---	5.00	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 10:47	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 60-140%*	"							*04/21/06 10:47*	
Toluene-d8		*100%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D20042-BS1)							**Extracted: 04/21/06 09:00**							
Acetone	EPA 8260B	319	---	30.0	ug/kg wet	1x	--	400	79.8%	(70-130)	--	--	04/21/06 09:11	
Benzene	"	39.8	---	1.50	"	"	--	40.0	99.5%	"	--	--	"	
2-Butanone	"	342	---	15.0	"	"	--	400	85.5%	"	--	--	"	
Carbon disulfide	"	57.2	---	3.00	"	"	--	40.0	143%	"	--	--	"	BS-1
Chlorobenzene	"	40.1	---	2.00	"	"	--	"	100%	"	--	--	"	
1,1-Dichloroethane	"	42.0	---	2.00	"	"	--	"	105%	"	--	--	"	
1,1-Dichloroethene	"	43.7	---	3.00	"	"	--	"	109%	"	--	--	"	
cis-1,2-Dichloroethene	"	42.2	---	3.00	"	"	--	"	106%	"	--	--	"	
Ethylbenzene	"	41.0	---	4.00	"	"	--	"	102%	"	--	--	"	
Hexachlorobutadiene	"	42.6	---	5.00	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	342	---	20.0	"	"	--	400	85.5%	"	--	--	"	
Tetrachloroethene	"	42.8	---	2.00	"	"	--	40.0	107%	"	--	--	"	
Toluene	"	41.0	---	1.50	"	"	--	"	102%	"	--	--	"	
1,1,1-Trichloroethane	"	44.4	---	2.50	"	"	--	"	111%	"	--	--	"	
Trichloroethene	"	42.0	---	2.50	"	"	--	"	105%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 95.5%*			*Limits: 60-140%*	"							*04/21/06 09:11*	
Toluene-d8		*105%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	
LCS Dup (6D20042-BSD1)							**Extracted: 04/21/06 09:00**							
Acetone	EPA 8260B	354	---	30.0	ug/kg wet	1x	--	400	88.5%	(70-130)	10.4%	(30)	04/21/06 09:36	
Benzene	"	39.7	---	1.50	"	"	--	40.0	99.2%	"	0.252	"	"	
2-Butanone	"	390	---	15.0	"	"	--	400	97.5%	"	13.1%	"	"	
Carbon disulfide	"	54.9	---	3.00	"	"	--	40.0	137%	"	4.10%	"	"	BS-1
Chlorobenzene	"	39.7	---	2.00	"	"	--	"	99.2%	"	1.00%	"	"	
1,1-Dichloroethane	"	40.9	---	2.00	"	"	--	"	102%	"	2.65%	"	"	
1,1-Dichloroethene	"	41.2	---	3.00	"	"	--	"	103%	"	5.89%	"	"	
cis-1,2-Dichloroethene	"	41.3	---	3.00	"	"	--	"	103%	"	2.16%	"	"	
Ethylbenzene	"	40.4	---	4.00	"	"	--	"	101%	"	1.47%	"	"	
Hexachlorobutadiene	"	40.6	---	5.00	"	"	--	"	102%	"	4.81%	"	"	
4-Methyl-2-pentanone	"	397	---	20.0	"	"	--	400	99.2%	"	14.9%	"	"	
Tetrachloroethene	"	40.4	---	2.00	"	"	--	40.0	101%	"	5.77%	"	"	
Toluene	"	40.2	---	1.50	"	"	--	"	100%	"	1.97%	"	"	
1,1,1-Trichloroethane	"	41.9	---	2.50	"	"	--	"	105%	"	5.79%	"	"	
Trichloroethene	"	41.0	---	2.50	"	"	--	"	102%	"	2.41%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.2%*			*Limits: 60-140%*	"							*04/21/06 09:36*	
Toluene-d8		*102%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D24015-BLK1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	04/24/06 10:48	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	Q-41
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	Q-41
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D24015-BLK1)							**Extracted: 04/24/06 08:56**							
Hexachlorobutadiene	EPA 8260B	ND	---	5.00	ug/kg wet	1x	--	--	--	--	--	--	04/24/06 10:48	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.2%*			*Limits: 60-140%*	"							*04/24/06 10:48*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D24015-BS1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	407	---	30.0	ug/kg wet	1x	--	400	102%	(70-130)	--	--	04/24/06 09:12	
Benzene	"	41.2	---	1.50	"	"	--	40.0	103%	"	--	--	"	
2-Butanone	"	443	---	15.0	"	"	--	400	111%	"	--	--	"	
Carbon disulfide	"	48.7	---	3.00	"	"	--	40.0	122%	"	--	--	"	
Chlorobenzene	"	39.6	---	2.00	"	"	--	"	99.0%	"	--	--	"	
1,1-Dichloroethane	"	43.9	---	2.00	"	"	--	"	110%	"	--	--	"	
1,1-Dichloroethene	"	44.4	---	3.00	"	"	--	"	111%	"	--	--	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	108%	"	--	--	"	
Ethylbenzene	"	40.4	---	4.00	"	"	--	"	101%	"	--	--	"	
Hexachlorobutadiene	"	42.4	---	5.00	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	432	---	20.0	"	"	--	400	108%	"	--	--	"	
Tetrachloroethene	"	39.5	---	2.00	"	"	--	40.0	98.8%	"	--	--	"	
Toluene	"	40.6	---	1.50	"	"	--	"	102%	"	--	--	"	
1,1,1-Trichloroethane	"	43.1	---	2.50	"	"	--	"	108%	"	--	--	"	
Trichloroethene	"	41.8	---	2.50	"	"	--	"	104%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.0%*			*Limits: 60-140%*	"							*04/24/06 09:12*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*98.2%*			*60-140%*	"							"	
LCS Dup (6D24015-BSD1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	435	---	30.0	ug/kg wet	1x	--	400	109%	(70-130)	6.65%	(30)	04/24/06 09:36	
Benzene	"	41.7	---	1.50	"	"	--	40.0	104%	"	1.21%	"	"	
2-Butanone	"	473	---	15.0	"	"	--	400	118%	"	6.55%	"	"	
Carbon disulfide	"	49.2	---	3.00	"	"	--	40.0	123%	"	1.02%	"	"	
Chlorobenzene	"	40.3	---	2.00	"	"	--	"	101%	"	1.75%	"	"	
1,1-Dichloroethane	"	43.6	---	2.00	"	"	--	"	109%	"	0.686	"	"	
1,1-Dichloroethene	"	44.7	---	3.00	"	"	--	"	112%	"	0.673	"	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	108%	"	0.00%	"	"	
Ethylbenzene	"	40.9	---	4.00	"	"	--	"	102%	"	1.23%	"	"	
Hexachlorobutadiene	"	41.9	---	5.00	"	"	--	"	105%	"	1.19%	"	"	
4-Methyl-2-pentanone	"	452	---	20.0	"	"	--	400	113%	"	4.52%	"	"	
Tetrachloroethene	"	41.4	---	2.00	"	"	--	40.0	104%	"	4.70%	"	"	
Toluene	"	41.9	---	1.50	"	"	--	"	105%	"	3.15%	"	"	
1,1,1-Trichloroethane	"	43.6	---	2.50	"	"	--	"	109%	"	1.15%	"	"	
Trichloroethene	"	42.0	---	2.50	"	"	--	"	105%	"	0.477	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 100%*			*Limits: 60-140%*	"							*04/24/06 09:36*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*99.5%*			*60-140%*	"							"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)							**Extracted: 04/26/06 08:20**							
Acetone	EPA 8260B	ND	---	1000	ug/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Benzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)							**Extracted: 04/26/06 08:20**							
Hexachlorobutadiene	EPA 8260B	ND	---	100	ug/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Methyl tert-butyl ether	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/26/06 12:02*	
Toluene-d8		*111%*			*70-130%*	"							"	
4-BFB		*108%*			*70-130%*	"							"	

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK2)								**Extracted: 04/26/06 08:20**						
Acetone	EPA 8260B	ND	---	1000	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Benzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK2)							**Extracted: 04/26/06 08:20**							
Hexachlorobutadiene	EPA 8260B	ND	---	100	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Methyl tert-butyl ether	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/27/06 11:43*	
Toluene-d8		*112%*			*70-130%*	"							"	
4-BFB		*110%*			*70-130%*	"							"	

TestAmerica - Seattle, WA

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D26027-BS1)								**Extracted: 04/26/06 08:20**						
Benzene	EPA 8260B	1860	---	100	ug/kg wet	1x	--	2000	93.0%	(75-130)	--	--	04/26/06 09:26	
Chlorobenzene	"	1870	---	100	"	"	--	"	93.5%	(77-124)	--	--	"	
1,1-Dichloroethene	"	2040	---	100	"	"	--	"	102%	(74-133)	--	--	"	
Trichloroethene	"	1920	---	100	"	"	--	"	96.0%	(78-128)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 70-130%*	"							*04/26/06 09:26*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*98.0%*			*70-130%*	"							"	
LCS Dup (6D26027-BSD1)								**Extracted: 04/26/06 08:20**						
Benzene	EPA 8260B	1790	---	100	ug/kg wet	1x	--	2000	89.5%	(75-130)	3.84%	(20)	04/27/06 09:59	
Chlorobenzene	"	1770	---	100	"	"	--	"	88.5%	(77-124)	5.49%	"	"	
1,1-Dichloroethene	"	1760	---	100	"	"	--	"	88.0%	(74-133)	14.7%	"	"	
Trichloroethene	"	1880	---	100	"	"	--	"	94.0%	(78-128)	2.11%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 88.5%*			*Limits: 70-130%*	"							*04/27/06 09:59*	
Toluene-d8		*96.0%*			*70-130%*	"							"	
4-BFB		*99.0%*			*70-130%*	"							"	
Matrix Spike (6D26027-MS1)					**QC Source: BPD0612-01**			**Extracted: 04/26/06 08:20**						
Benzene	EPA 8260B	1830	---	94.4	ug/kg dry	1x	ND	1890	96.8%	(66-135)	--	--	04/26/06 09:53	
Chlorobenzene	"	1800	---	94.4	"	"	ND	"	95.2%	(63-131)	--	--	"	
1,1-Dichloroethene	"	1900	---	94.4	"	"	ND	"	101%	(64-143)	--	--	"	
Trichloroethene	"	1900	---	94.4	"	"	ND	"	101%	(66-144)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.8%*			*Limits: 70-130%*	"							*04/26/06 09:53*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*101%*			*70-130%*	"							"	
Matrix Spike Dup (6D26027-MSD1)					**QC Source: BPD0612-01**			**Extracted: 04/26/06 08:20**						
Benzene	EPA 8260B	1810	---	91.3	ug/kg dry	1x	ND	1830	98.9%	(66-135)	1.10%	(25)	04/26/06 10:21	
Chlorobenzene	"	1840	---	91.3	"	"	ND	"	101%	(63-131)	2.20%	"	"	
1,1-Dichloroethene	"	1940	---	91.3	"	"	ND	"	106%	(64-143)	2.08%	"	"	
Trichloroethene	"	1950	---	91.3	"	"	ND	"	107%	(66-144)	2.60%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 70-130%*	"							*04/26/06 10:21*	
Toluene-d8		*97.3%*			*70-130%*	"							"	
4-BFB		*99.7%*			*70-130%*	"							"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21058-BLK1)									**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	ND	---	330	ug/kg wet	1x	--	--	--	--	--	--	04/23/06 19:34	
Acenaphthylene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Aniline	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Carbazole	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Methylphenol (o-Cresol)	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
3,3´-Dichlorobenzidine	"	ND	---	5000	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	

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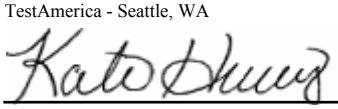

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21058-BLK1)							**Extracted: 04/21/06 13:37**							
2,4-Dinitrotoluene	EPA 8270C	ND	---	500	ug/kg wet	1x	--	--	--	--	--	--	04/23/06 19:34	
2,6-Dinitrotoluene	"	ND	---	500	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	Q-40
4-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.2%*			*Limits: 27-126%*	"							*04/23/06 19:34*	
2-FP		*87.7%*			*16-121%*	"							*"*	
Nitrobenzene-d5		*83.8%*			*26-125%*	"							*"*	
Phenol-d6		*86.8%*			*10-120%*	"							*"*	
p-Terphenyl-d14		*88.6%*			*26-150%*	"							*"*	
2,4,6-TBP		*82.0%*			*10-152%*	"							*"*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D21058-BS1)													**Extracted: 04/21/06 13:37**	
Acenaphthene	EPA 8270C	3150	---	330	ug/kg wet	1x	--	3330	94.6%	(47-128)	--	--	04/23/06 20:06	
4-Chloro-3-methylphenol	"	3490	---	330	"	"	--	"	105%	(49-130)	--	--	"	
2-Chlorophenol	"	3070	---	330	"	"	--	"	92.2%	(51-120)	--	--	"	
1,4-Dichlorobenzene	"	2780	---	330	"	"	--	"	83.5%	"	--	--	"	
2,4-Dinitrotoluene	"	3100	---	500	"	"	--	"	93.1%	(51-135)	--	--	"	
4-Nitrophenol	"	3660	---	500	"	"	--	"	110%	(32-155)	--	--	"	
N-Nitrosodi-n-propylamine	"	2920	---	330	"	"	--	"	87.7%	(51-120)	--	--	"	
Pentachlorophenol	"	4310	---	500	"	"	--	"	129%	(46-163)	--	--	"	
Phenol	"	3050	---	330	"	"	--	"	91.6%	(50-122)	--	--	"	
Pyrene	"	3070	---	330	"	"	--	"	92.2%	(45-138)	--	--	"	
1,2,4-Trichlorobenzene	"	2940	---	330	"	"	--	"	88.3%	(47-120)	--	--	"	
2,4,5-Trichlorophenol	"	3140	---	330	"	"	--	"	94.3%	(0-200)	--	--	"	
2,4,6-Trichlorophenol	"	3350	---	330	"	"	--	"	101%	"	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.8%*			*Limits: 27-126%*	"							*04/23/06 20:06*	
2-FP		*84.4%*			*16-121%*	"							"	
Nitrobenzene-d5		*83.2%*			*26-125%*	"							"	
Phenol-d6		*87.4%*			*10-120%*	"							"	
p-Terphenyl-d14		*84.4%*			*26-150%*	"							"	
2,4,6-TBP		*89.5%*			*10-152%*	"							"	
Matrix Spike (6D21058-MS1)							**QC Source: BPD0447-06**						**Extracted: 04/21/06 13:37**	
Acenaphthene	EPA 8270C	3820	---	414	ug/kg dry	1x	ND	4180	91.4%	(47-128)	--	--	04/23/06 20:39	
4-Chloro-3-methylphenol	"	4210	---	414	"	"	ND	"	101%	(45-130)	--	--	"	
2-Chlorophenol	"	3840	---	414	"	"	ND	"	91.9%	(48-120)	--	--	"	
1,4-Dichlorobenzene	"	3500	---	414	"	"	ND	"	83.7%	(50-120)	--	--	"	
2,4-Dinitrotoluene	"	3780	---	627	"	"	ND	"	90.4%	(34-154)	--	--	"	
4-Nitrophenol	"	4440	---	627	"	"	ND	"	106%	(17-164)	--	--	"	
N-Nitrosodi-n-propylamine	"	3620	---	414	"	"	ND	"	86.6%	(49-120)	--	--	"	
Pentachlorophenol	"	5310	---	627	"	"	ND	"	127%	(22-183)	--	--	"	
Phenol	"	3810	---	414	"	"	ND	"	91.1%	(32-132)	--	--	"	
Pyrene	"	3630	---	414	"	"	ND	"	86.8%	(31-147)	--	--	"	
1,2,4-Trichlorobenzene	"	3680	---	414	"	"	ND	"	88.0%	(47-120)	--	--	"	
2,4,5-Trichlorophenol	"	3840	---	414	"	"	ND	"	91.9%	(0-200)	--	--	"	
2,4,6-Trichlorophenol	"	4110	---	414	"	"	ND	"	98.3%	"	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.9%*			*Limits: 27-126%*	"							*04/23/06 20:39*	
2-FP		*85.2%*			*16-121%*	"							"	
Nitrobenzene-d5		*84.7%*			*26-125%*	"							"	
Phenol-d6		*87.6%*			*10-120%*	"							"	
p-Terphenyl-d14		*80.9%*			*26-150%*	"							"	
2,4,6-TBP		*88.0%*			*10-152%*	"							"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6D21058-MSD1)					**QC Source: BPD0447-06**				**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	3700	---	412	ug/kg dry	1x	ND	4170	88.7%	(47-128)	3.19%	(24)	04/23/06 21:12	
4-Chloro-3-methylphenol	"	4160	---	412	"	"	ND	"	99.8%	(45-130)	1.19%	(23)	"	
2-Chlorophenol	"	3830	---	412	"	"	ND	"	91.8%	(48-120)	0.261	(27)	"	
1,4-Dichlorobenzene	"	3510	---	412	"	"	ND	"	84.2%	(50-120)	0.285	(34)	"	
2,4-Dinitrotoluene	"	3660	---	625	"	"	ND	"	87.8%	(34-154)	3.23%	(24)	"	
4-Nitrophenol	"	4390	---	625	"	"	ND	"	105%	(17-164)	1.13%	(31)	"	
N-Nitrosodi-n-propylamine	"	3610	---	412	"	"	ND	"	86.6%	(49-120)	0.277	"	"	
Pentachlorophenol	"	5130	---	625	"	"	ND	"	123%	(22-183)	3.45%	(26)	"	
Phenol	"	3760	---	412	"	"	ND	"	90.2%	(32-132)	1.32%	(31)	"	
Pyrene	"	3530	---	412	"	"	ND	"	84.7%	(31-147)	2.79%	(26)	"	
1,2,4-Trichlorobenzene	"	3680	---	412	"	"	ND	"	88.2%	(47-120)	0.00%	(25)	"	
2,4,5-Trichlorophenol	"	3740	---	412	"	"	ND	"	89.7%	(0-200)	2.64%	(200)	"	
2,4,6-Trichlorophenol	"	3980	---	412	"	"	ND	"	95.4%	"	3.21%	"	"	
Surrogate(s): 2-FBP		*Recovery: 79.3%*			*Limits: 27-126%*	"							*04/23/06 21:12*	
2-FP		*84.7%*			*16-121%*	"							"	
Nitrobenzene-d5		*83.2%*			*26-125%*	"							"	
Phenol-d6		*86.3%*			*10-120%*	"							"	
p-Terphenyl-d14		*77.9%*			*26-150%*	"							"	
2,4,6-TBP		*83.9%*			*10-152%*	"							"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D27053 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27053-BLK1)								**Extracted: 04/27/06 13:59**						
Dry Weight	BSOPSPL00 3R08	99.6	---	1.00	%	1x	--	--	--	--	--	--	04/28/06 00:00	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Notes and Definitions

Report Specific Notes:

A-01	-	The sample aliquot was taken from the 4 oz. jar.
BS-1	-	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the laboratory control limits. Analyte not detected, data not impacted.
DP-1	-	Sample RPD exceeded the laboratory control limit.
E	-	Estimated value. The reported value exceeds the calibration range of the analysis.
G-01	-	Results reported for the gas range are primarily due to overlap from diesel range hydrocarbons.
G-02	-	The chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.
MS-3	-	The Matrix Spike and/or Matrix Spike Duplicate were above the acceptance limits due to sample matrix interference. See Laboratory Control Sample.
Q-40	-	This analyte had a low bias in the associated calibration verification standard.
Q-41	-	This analyte had a high bias in the associated calibration verification standard.
RP-4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
SR-4	-	Due to sample matrix effects, the surrogate recovery was outside laboratory control limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' or 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

C-O-C # BLN041806A

CHAIN OF CUSTODY REPORT

Work Order #: BPD0447

NCA CLIENT: Time Oil Company
REPORT TO: Dee Gardner
ADDRESS: 2400 Airport Way South, Suite 200 Seattle, WA 98134-2020
PHONE: 206-306-1900 FAX: 206-306-1907

INVOICE TO: Time Oil Company
P.O. NUMBER: "ASKO"

PROJECT NAME: ASKO
PROJECT NUMBER: 0440-004-05
SAMPLED BY: B. Noller

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: [X] STD. [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [X] STD. [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	GRPH	VOCs	DRPH	SVOCs	RCRA metals	dry Weight	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	B01-11	4-17-06 / 1010	X	X	X	X	X	X	S	5	B01	-01
2	B02-4.5	/ 1302									B02	-02
3	B02-11	/ 1342									B02	-03
4	B03-6	4-18-06 / 0938									B03	-04
5	B03-12	/ 1001									B03	-05
6	B03-16	/ 1127									B03	-06
7	B04-1	/ 1315									B04	-07
8	B04-10	/ 1359									B04	-08
9	B04-22	/ 1450									B04	-09
10	Trip Blank								W			-10

PRESERVATIVE
REQUESTED ANALYSES

RELEASED BY: Ben Noller — DATE: 4/18/06 — RECEIVED BY: DN — DATE: 04.19.06
PRINT NAME: Ben Noller — FIRM: SES — TIME: 1845 — PRINT NAME: DEE GARDNER — FIRM: SES — TIME: 1845
RELEASED BY: DN — DATE: 04.19.06 — RECEIVED BY: Colette Weaver — DATE: 04-19-06
PRINT NAME: DEE GARDNER — FIRM: SES — TIME: 0830 — PRINT NAME: Colette Weaver — FIRM: NCA — TIME: 0830

ADDITIONAL REMARKS: Hold trip blank - do not analyze without authorization from D. Gardner (SES).

TEMP: ~~5.8°C~~ 1.0°C DW

COC REV 09/04

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

January 20, 2010

Dee Gardner
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

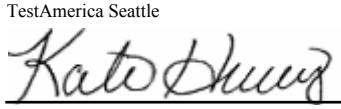
RE: Time Oil - ASKO

Enclosed are the results of analyses for samples received by the laboratory on 04/19/06 08:30. The following list is a summary of the Work Orders contained in this report, generated on 05/08/06 17:14.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPD0447	Time Oil - ASKO	0440-004-05

TestAmerica Seattle



Kate Haney, Project Manager

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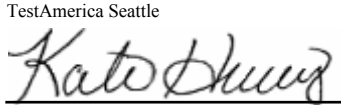
Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01-11	BPD0447-01	Soil	04/17/06 10:10	04/19/06 08:30
B02-4.5	BPD0447-02	Soil	04/17/06 13:02	04/19/06 08:30
B02-11	BPD0447-03	Soil	04/17/06 13:42	04/19/06 08:30
B03-6	BPD0447-04	Soil	04/18/06 09:38	04/19/06 08:30
B03-12	BPD0447-05	Soil	04/18/06 10:01	04/19/06 08:30
B03-16	BPD0447-06	Soil	04/18/06 11:27	04/19/06 08:30
B04-1	BPD0447-07	Soil	04/18/06 13:15	04/19/06 08:30
B04-10	BPD0447-08	Soil	04/18/06 13:59	04/19/06 08:30
B04-22	BPD0447-09	Soil	04/18/06 14:50	04/19/06 08:30

TestAmerica Seattle



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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4870	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 20:04	
Surrogate(s): 4-BFB (FID)			*94.9%*		*50 - 150 %*	"			"	
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5610	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 20:33	
Surrogate(s): 4-BFB (FID)			*96.1%*		*50 - 150 %*	"			"	
BPD0447-03 (B02-11)		**Soil**			**Sampled: 04/17/06 13:42**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5110	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 21:03	
Surrogate(s): 4-BFB (FID)			*96.4%*		*50 - 150 %*	"			"	
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**4720000**	-----	348000	ug/kg dry	50x	6D21027	04/21/06 09:39	04/22/06 00:01	**G-02**
Surrogate(s): 4-BFB (FID)			*152%*		*50 - 150 %*	*1x*			"	***SR-4***
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5410	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 21:33	
Surrogate(s): 4-BFB (FID)			*101%*		*50 - 150 %*	"			"	
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5230	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 22:03	
Surrogate(s): 4-BFB (FID)			*100%*		*50 - 150 %*	"			"	
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**306000**	-----	10700	ug/kg dry	2x	6D25025	04/25/06 10:46	04/25/06 12:59	**G-01**
Surrogate(s): 4-BFB (FID)			*136%*		*50 - 150 %*	*1x*			"	
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4710	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 23:02	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5020	ug/kg dry	1x	6D21027	04/21/06 09:39	04/21/06 23:31	
Surrogate(s): 4-BFB (FID)			*99.7%*		*50 - 150 %*	"			"	

TestAmerica Seattle

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Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	10500	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 02:20	
Lube Oil Range Hydrocarbons	"	ND	-----	26400	"	"	"	"	"	
Surrogate(s): 2-FBP			*81.3%*		*50 - 150 %*	"			"	
Octacosane			*90.0%*		*50 - 150 %*	"			"	
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11600	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 02:49	
Lube Oil Range Hydrocarbons	"	ND	-----	29100	"	"	"	"	"	
Surrogate(s): 2-FBP			*80.7%*		*50 - 150 %*	"			"	
Octacosane			*83.0%*		*50 - 150 %*	"			"	
BPD0447-03 (B02-11)		**Soil**			**Sampled: 04/17/06 13:42**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11200	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 03:02	
Lube Oil Range Hydrocarbons	"	ND	-----	28100	"	"	"	"	"	
Surrogate(s): 2-FBP			*79.8%*		*50 - 150 %*	"			"	
Octacosane			*89.2%*		*50 - 150 %*	"			"	
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
Diesel Range Hydrocarbons	NWTPH-Dx	**1300000**	-----	116000	ug/kg dry	10x	6D21059	04/21/06 13:39	04/27/06 18:05	
Lube Oil Range Hydrocarbons	"	**868000**	-----	290000	"	"	"	"	"	
Surrogate(s): 2-FBP			*134%*		*50 - 150 %*	"			"	
Octacosane			*85.8%*		*50 - 150 %*	"			"	
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12300	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 03:45	
Lube Oil Range Hydrocarbons	"	ND	-----	30700	"	"	"	"	"	
Surrogate(s): 2-FBP			*74.8%*		*50 - 150 %*	"			"	
Octacosane			*85.1%*		*50 - 150 %*	"			"	
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12800	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 04:15	
Lube Oil Range Hydrocarbons	"	ND	-----	32000	"	"	"	"	"	
Surrogate(s): 2-FBP			*95.3%*		*50 - 150 %*	"			"	
Octacosane			*93.5%*		*50 - 150 %*	"			"	

TestAmerica Seattle

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	**706000**	-----	116000	ug/kg dry	10x	6D21059	04/21/06 13:39	04/26/06 04:30	
Lube Oil Range Hydrocarbons	"	**588000**	-----	291000	"	"	"	"	"	
Surrogate(s): 2-FBP			*99.8%*		*50 - 150 %*	"			"	
Octacosane			*83.8%*		*50 - 150 %*	"			"	
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12100	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 04:59	
Lube Oil Range Hydrocarbons	"	ND	-----	30300	"	"	"	"	"	
Surrogate(s): 2-FBP			*84.0%*		*50 - 150 %*	"			"	
Octacosane			*88.5%*		*50 - 150 %*	"			"	
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11500	ug/kg dry	1x	6D21059	04/21/06 13:39	04/26/06 05:28	
Lube Oil Range Hydrocarbons	"	ND	-----	28700	"	"	"	"	"	
Surrogate(s): 2-FBP			*76.9%*		*50 - 150 %*	"			"	
Octacosane			*79.9%*		*50 - 150 %*	"			"	

TestAmerica Seattle

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
Arsenic	EPA 6020	**5580**	-----	499	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 00:16	
Barium	"	**62100**	-----	4990	"	"	"	"	"	
Cadmium	"	ND	-----	499	"	"	"	"	"	
Chromium	"	**33900**	-----	499	"	"	"	"	"	
Lead	"	**2430**	-----	499	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	334	"	"	6D27044	04/27/06 12:16	05/01/06 11:51	
Selenium	EPA 6020	ND	-----	499	"	"	6D20043	04/20/06 13:18	04/22/06 00:16	
Silver	"	ND	-----	499	"	"	"	"	"	
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Arsenic	EPA 6020	**6710**	-----	606	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 00:22	
Barium	"	**114000**	-----	6060	"	"	"	"	"	
Cadmium	"	ND	-----	606	"	"	"	"	"	
Chromium	"	**52700**	-----	606	"	"	"	"	"	
Lead	"	**5660**	-----	606	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	388	"	"	6D27044	04/27/06 12:16	05/01/06 11:53	
Selenium	EPA 6020	ND	-----	606	"	"	6D20043	04/20/06 13:18	04/22/06 00:22	
Silver	"	ND	-----	606	"	"	"	"	"	
BPD0447-03 (B02-11)		**Soil**			**Sampled: 04/17/06 13:42**					
Arsenic	EPA 6020	**4290**	-----	571	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 00:39	
Barium	"	**67000**	-----	5710	"	"	"	"	"	
Cadmium	"	ND	-----	571	"	"	"	"	"	
Chromium	"	**38100**	-----	571	"	"	"	"	"	
Lead	"	**2810**	-----	571	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	350	"	"	6D27044	04/27/06 12:16	05/01/06 11:56	
Selenium	EPA 6020	ND	-----	571	"	"	6D20043	04/20/06 13:18	04/22/06 00:39	
Silver	"	ND	-----	571	"	"	"	"	"	
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
Arsenic	EPA 6020	**9820**	-----	540	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 00:45	
Barium	"	**119000**	-----	5400	"	"	"	"	"	
Cadmium	"	ND	-----	540	"	"	"	"	"	
Chromium	"	**59900**	-----	540	"	"	"	"	"	
Lead	"	**5980**	-----	540	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	406	"	"	6D27044	04/27/06 12:16	05/01/06 11:58	
Selenium	EPA 6020	ND	-----	540	"	"	6D20043	04/20/06 13:18	04/22/06 00:45	
Silver	"	ND	-----	540	"	"	"	"	"	

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Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					
Arsenic	EPA 6020	**1370**	-----	655	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 00:50	
Barium	"	**56100**	-----	6550	"	"	"	"	"	
Cadmium	"	ND	-----	655	"	"	"	"	"	
Chromium	"	**36500**	-----	655	"	"	"	"	"	
Lead	"	**2490**	-----	655	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	410	"	"	6D27044	04/27/06 12:16	05/01/06 12:00	
Selenium	EPA 6020	ND	-----	655	"	"	6D20043	04/20/06 13:18	04/22/06 00:50	
Silver	"	ND	-----	655	"	"	"	"	"	
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					
Arsenic	EPA 6020	**1980**	-----	611	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 00:56	
Barium	"	**102000**	-----	6110	"	"	"	"	"	
Cadmium	"	ND	-----	611	"	"	"	"	"	
Chromium	"	**39000**	-----	611	"	"	"	"	"	
Lead	"	**3450**	-----	611	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	428	"	"	6D27044	04/27/06 12:16	05/01/06 12:08	
Selenium	EPA 6020	ND	-----	611	"	"	6D20043	04/20/06 13:18	04/22/06 00:56	
Silver	"	ND	-----	611	"	"	"	"	"	
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
Arsenic	EPA 6020	**3230**	-----	533	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 01:02	
Barium	"	**69700**	-----	5330	"	"	"	"	"	
Cadmium	"	ND	-----	533	"	"	"	"	"	
Chromium	"	**28700**	-----	533	"	"	"	"	"	
Lead	"	**5850**	-----	533	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	323	"	"	6D27044	04/27/06 12:16	05/01/06 12:11	
Selenium	EPA 6020	ND	-----	533	"	"	6D20043	04/20/06 13:18	04/22/06 01:02	
Silver	"	**3270**	-----	533	"	"	"	"	"	
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
Arsenic	EPA 6020	**2120**	-----	605	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 01:08	
Barium	"	**69200**	-----	6050	"	"	"	"	"	
Cadmium	"	ND	-----	605	"	"	"	"	"	
Chromium	"	**35800**	-----	605	"	"	"	"	"	
Lead	"	**2660**	-----	605	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	442	"	"	6D27044	04/27/06 12:16	05/01/06 12:13	
Selenium	EPA 6020	ND	-----	605	"	"	6D20043	04/20/06 13:18	04/22/06 01:08	
Silver	"	ND	-----	605	"	"	"	"	"	

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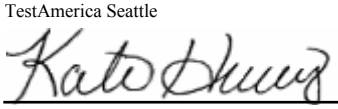

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Arsenic	EPA 6020	**2380**	-----	558	ug/kg dry	1x	6D20043	04/20/06 13:18	04/22/06 01:13	
Barium	"	**60400**	-----	5580	"	"	"	"	"	
Cadmium	"	ND	-----	558	"	"	"	"	"	
Chromium	"	**30900**	-----	558	"	"	"	"	"	
Lead	"	**2290**	-----	558	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	379	"	"	6D27044	04/27/06 12:16	05/01/06 12:16	
Selenium	EPA 6020	ND	-----	558	"	"	6D20043	04/20/06 13:18	04/22/06 01:13	
Silver	"	ND	-----	558	"	"	"	"	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
Acetone	EPA 8260B	ND	-----	34.8	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:00	
Benzene	"	ND	-----	1.74	"	"	"	"	"	
Bromobenzene	"	ND	-----	5.80	"	"	"	"	"	
Bromochloromethane	"	ND	-----	5.80	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	5.80	"	"	"	"	"	
Bromoform	"	ND	-----	5.80	"	"	"	"	"	
Bromomethane	"	ND	-----	11.6	"	"	"	"	"	
2-Butanone	"	ND	-----	17.4	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.80	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	5.80	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	5.80	"	"	"	"	"	
Carbon disulfide	"	ND	-----	3.48	"	"	"	"	"	**BS-1**
Carbon tetrachloride	"	ND	-----	5.80	"	"	"	"	"	
Chlorobenzene	"	ND	-----	2.32	"	"	"	"	"	
Chloroethane	"	ND	-----	5.80	"	"	"	"	"	
Chloroform	"	ND	-----	2.90	"	"	"	"	"	
Chloromethane	"	ND	-----	11.6	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	5.80	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	5.80	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	5.80	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	11.6	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	5.80	"	"	"	"	"	
Dibromomethane	"	ND	-----	5.80	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	5.80	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	5.80	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	5.80	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.80	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	2.32	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.45	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	3.48	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	3.48	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.90	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	5.80	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	5.80	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	11.6	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	5.80	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	5.80	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.45	"	"	"	"	"	
Ethylbenzene	"	ND	-----	4.64	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	5.80	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.16	"	"	"	"	"	
2-Hexanone	"	ND	-----	23.2	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	5.80	"	"	"	"	"	

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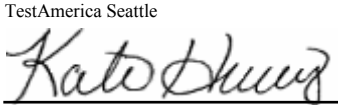

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
p-Isopropyltoluene	EPA 8260B	ND	-----	5.80	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:00	
4-Methyl-2-pentanone	"	ND	-----	23.2	"	"	"	"	"	
Methylene chloride	"	ND	-----	4.06	"	"	"	"	"	
Naphthalene	"	ND	-----	5.80	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	5.80	"	"	"	"	"	
Styrene	"	ND	-----	1.16	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	5.80	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	5.80	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	5.80	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	5.80	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	2.32	"	"	"	"	"	
Toluene	"	ND	-----	1.74	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.90	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.45	"	"	"	"	"	
Trichloroethene	"	ND	-----	2.90	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	5.80	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	5.80	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	5.80	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	5.80	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.90	"	"	"	"	"	
o-Xylene	"	ND	-----	5.80	"	"	"	"	"	
m,p-Xylene	"	ND	-----	5.80	"	"	"	"	"	
Total Xylenes	"	ND	-----	11.6	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*60 - 140 %*	"			"	
Toluene-d8			*102%*		*60 - 140 %*	"			"	
4-BFB			*100%*		*60 - 140 %*	"			"	
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Acetone	EPA 8260B	ND	-----	25.8	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:23	
Benzene	"	ND	-----	1.29	"	"	"	"	"	
Bromobenzene	"	ND	-----	4.30	"	"	"	"	"	
Bromochloromethane	"	ND	-----	4.30	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	4.30	"	"	"	"	"	
Bromoform	"	ND	-----	4.30	"	"	"	"	"	
Bromomethane	"	ND	-----	8.60	"	"	"	"	"	
2-Butanone	"	ND	-----	12.9	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	4.30	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	4.30	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	4.30	"	"	"	"	"	
Carbon disulfide	"	ND	-----	2.58	"	"	"	"	"	BS-1
Carbon tetrachloride	"	ND	-----	4.30	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.72	"	"	"	"	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Chloroethane	EPA 8260B	ND	-----	4.30	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:23	
Chloroform	"	ND	-----	2.15	"	"	"	"	"	
Chloromethane	"	ND	-----	8.60	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	4.30	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	4.30	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	4.30	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.60	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.30	"	"	"	"	"	
Dibromomethane	"	ND	-----	4.30	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.30	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.30	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.30	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	4.30	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.72	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.07	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	2.58	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	2.58	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.15	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	4.30	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	4.30	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	8.60	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	4.30	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	4.30	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.07	"	"	"	"	"	
Ethylbenzene	"	ND	-----	3.44	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.30	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.860	"	"	"	"	"	
2-Hexanone	"	ND	-----	17.2	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	4.30	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	4.30	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	17.2	"	"	"	"	"	
Methylene chloride	"	ND	-----	3.01	"	"	"	"	"	
Naphthalene	"	ND	-----	4.30	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	4.30	"	"	"	"	"	
Styrene	"	ND	-----	0.860	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.30	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.30	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.30	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.30	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.72	"	"	"	"	"	
Toluene	"	ND	-----	1.29	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.15	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.07	"	"	"	"	"	

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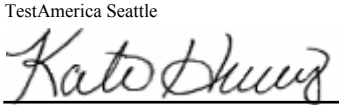
Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Trichloroethene	EPA 8260B	ND	-----	2.15	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:23	
Trichlorofluoromethane	"	ND	-----	4.30	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	4.30	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.30	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.30	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.15	"	"	"	"	"	
o-Xylene	"	ND	-----	4.30	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.30	"	"	"	"	"	
Total Xylenes	"	ND	-----	8.60	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*100%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*98.8%*		*60 - 140 %*	"			"	
BPD0447-03 (B02-11)		**Soil**			**Sampled: 04/17/06 13:42**					
Acetone	EPA 8260B	ND	-----	27.6	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:47	
Benzene	"	ND	-----	1.38	"	"	"	"	"	
Bromobenzene	"	ND	-----	4.60	"	"	"	"	"	
Bromochloromethane	"	ND	-----	4.60	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	4.60	"	"	"	"	"	
Bromoform	"	ND	-----	4.60	"	"	"	"	"	
Bromomethane	"	ND	-----	9.21	"	"	"	"	"	
2-Butanone	"	ND	-----	13.8	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	4.60	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	4.60	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	4.60	"	"	"	"	"	
Carbon disulfide	"	ND	-----	2.76	"	"	"	"	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.60	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.84	"	"	"	"	"	
Chloroethane	"	ND	-----	4.60	"	"	"	"	"	
Chloroform	"	ND	-----	2.30	"	"	"	"	"	
Chloromethane	"	ND	-----	9.21	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	4.60	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	4.60	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	4.60	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.21	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.60	"	"	"	"	"	
Dibromomethane	"	ND	-----	4.60	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	4.60	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.84	"	"	"	"	"	

TestAmerica Seattle



Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-03 (B02-11)		**Soil**			**Sampled: 04/17/06 13:42**					
1,2-Dichloroethane	EPA 8260B	ND	-----	1.15	ug/kg dry	1x	6D20042	04/21/06 09:00	04/21/06 14:47	
1,1-Dichloroethene	"	ND	-----	2.76	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	2.76	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.30	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	4.60	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	4.60	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	9.21	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	4.60	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	4.60	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.15	"	"	"	"	"	
Ethylbenzene	"	ND	-----	3.68	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.60	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.921	"	"	"	"	"	
2-Hexanone	"	ND	-----	18.4	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	4.60	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	4.60	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	18.4	"	"	"	"	"	
Methylene chloride	"	ND	-----	3.22	"	"	"	"	"	
Naphthalene	"	ND	-----	4.60	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	4.60	"	"	"	"	"	
Styrene	"	ND	-----	0.921	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.84	"	"	"	"	"	
Toluene	"	ND	-----	1.38	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.30	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.15	"	"	"	"	"	
Trichloroethene	"	**3.10**	-----	2.30	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	4.60	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	4.60	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.60	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.60	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.30	"	"	"	"	"	
o-Xylene	"	ND	-----	4.60	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.60	"	"	"	"	"	
Total Xylenes	"	ND	-----	9.21	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*97.0%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*99.7%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					**A-01**
Acetone	EPA 8260B	ND	-----	27.6	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:12	
Benzene	"	ND	-----	1.38	"	"	"	"	"	
Bromobenzene	"	ND	-----	4.60	"	"	"	"	"	
Bromochloromethane	"	ND	-----	4.60	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	4.60	"	"	"	"	"	
Bromoform	"	ND	-----	4.60	"	"	"	"	"	
Bromomethane	"	ND	-----	9.20	"	"	"	"	"	
2-Butanone	"	ND	-----	13.8	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	4.60	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	4.60	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	4.60	"	"	"	"	"	
Carbon disulfide	"	ND	-----	2.76	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	4.60	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.84	"	"	"	"	"	
Chloroethane	"	ND	-----	4.60	"	"	"	"	"	
Chloroform	"	ND	-----	2.30	"	"	"	"	"	
Chloromethane	"	ND	-----	9.20	"	"	"	"	"	**Q-41**
2-Chlorotoluene	"	ND	-----	4.60	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	4.60	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	4.60	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.20	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.60	"	"	"	"	"	
Dibromomethane	"	ND	-----	4.60	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	4.60	"	"	"	"	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	1.84	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.15	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	2.76	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	2.76	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.30	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	4.60	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	4.60	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	9.20	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	4.60	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	4.60	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.15	"	"	"	"	"	
Ethylbenzene	"	ND	-----	3.68	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.60	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.920	"	"	"	"	"	
2-Hexanone	"	ND	-----	18.4	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	4.60	"	"	"	"	"	

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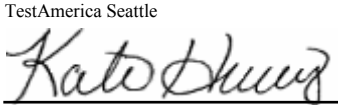

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name: **Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number: 0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager: Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					**A-01**
p-Isopropyltoluene	EPA 8260B	ND	-----	4.60	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:12	
4-Methyl-2-pentanone	"	ND	-----	18.4	"	"	"	"	"	
Methylene chloride	"	ND	-----	3.22	"	"	"	"	"	
Naphthalene	"	ND	-----	4.60	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	4.60	"	"	"	"	"	
Styrene	"	ND	-----	0.920	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.60	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.60	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.84	"	"	"	"	"	
Toluene	"	ND	-----	1.38	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.30	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.15	"	"	"	"	"	
Trichloroethene	"	ND	-----	2.30	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	4.60	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	4.60	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.60	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.60	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.30	"	"	"	"	"	
o-Xylene	"	ND	-----	4.60	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.60	"	"	"	"	"	
Total Xylenes	"	ND	-----	9.20	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*97.6%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*99.5%*		*60 - 140 %*	"			"	
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					**A-01**
Acetone	EPA 8260B	ND	-----	29.5	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 12:23	
Benzene	"	ND	-----	1.48	"	"	"	"	"	
Bromobenzene	"	ND	-----	4.92	"	"	"	"	"	
Bromochloromethane	"	ND	-----	4.92	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	4.92	"	"	"	"	"	
Bromoform	"	ND	-----	4.92	"	"	"	"	"	
Bromomethane	"	ND	-----	9.83	"	"	"	"	"	
2-Butanone	"	ND	-----	14.8	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	4.92	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	4.92	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	4.92	"	"	"	"	"	
Carbon disulfide	"	ND	-----	2.95	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	4.92	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.97	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					**A-01**
Chloroethane	EPA 8260B	ND	-----	4.92	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 12:23	
Chloroform	"	ND	-----	2.46	"	"	"	"	"	
Chloromethane	"	ND	-----	9.83	"	"	"	"	"	Q-41
2-Chlorotoluene	"	ND	-----	4.92	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	4.92	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	4.92	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.83	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.92	"	"	"	"	"	
Dibromomethane	"	ND	-----	4.92	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.92	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.92	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.92	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	4.92	"	"	"	"	"	Q-41
1,1-Dichloroethane	"	ND	-----	1.97	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.23	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	2.95	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	2.95	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.46	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	4.92	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	4.92	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	9.83	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	4.92	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	4.92	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.23	"	"	"	"	"	
Ethylbenzene	"	ND	-----	3.93	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.92	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.983	"	"	"	"	"	
2-Hexanone	"	ND	-----	19.7	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	4.92	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	4.92	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	19.7	"	"	"	"	"	
Methylene chloride	"	ND	-----	3.44	"	"	"	"	"	
Naphthalene	"	ND	-----	4.92	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	4.92	"	"	"	"	"	
Styrene	"	ND	-----	0.983	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.92	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.92	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.92	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.92	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.97	"	"	"	"	"	
Toluene	"	ND	-----	1.48	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.46	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.23	"	"	"	"	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					**A-01**
Trichloroethene	EPA 8260B	ND	-----	2.46	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 12:23	
Trichlorofluoromethane	"	ND	-----	4.92	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	4.92	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.92	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.92	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.46	"	"	"	"	"	
o-Xylene	"	ND	-----	4.92	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.92	"	"	"	"	"	
Total Xylenes	"	ND	-----	9.83	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*97.5%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*100%*		*60 - 140 %*	"			"	
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
Acetone	EPA 8260B	ND	-----	25.7	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 19:37	
Benzene	"	ND	-----	1.28	"	"	"	"	"	
Bromobenzene	"	ND	-----	4.28	"	"	"	"	"	
Bromochloromethane	"	ND	-----	4.28	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	4.28	"	"	"	"	"	
Bromoform	"	ND	-----	4.28	"	"	"	"	"	
Bromomethane	"	ND	-----	8.56	"	"	"	"	"	
2-Butanone	"	ND	-----	12.8	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	4.28	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	4.28	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	4.28	"	"	"	"	"	
Carbon disulfide	"	ND	-----	2.57	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	4.28	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.71	"	"	"	"	"	
Chloroethane	"	ND	-----	4.28	"	"	"	"	"	
Chloroform	"	ND	-----	2.14	"	"	"	"	"	
Chloromethane	"	ND	-----	8.56	"	"	"	"	"	**Q-41**
2-Chlorotoluene	"	ND	-----	4.28	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	4.28	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	4.28	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.56	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.28	"	"	"	"	"	
Dibromomethane	"	ND	-----	4.28	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.28	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.28	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.28	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	4.28	"	"	"	"	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	1.71	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
1,2-Dichloroethane	EPA 8260B	ND	-----	1.07	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 19:37	
1,1-Dichloroethene	"	ND	-----	2.57	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	2.57	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.14	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	4.28	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	4.28	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	8.56	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	4.28	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	4.28	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.07	"	"	"	"	"	
Ethylbenzene	"	ND	-----	3.42	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.28	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.856	"	"	"	"	"	
2-Hexanone	"	ND	-----	17.1	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	4.28	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	4.28	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	17.1	"	"	"	"	"	
Methylene chloride	"	ND	-----	3.00	"	"	"	"	"	
Naphthalene	"	ND	-----	4.28	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	4.28	"	"	"	"	"	
Styrene	"	ND	-----	0.856	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.28	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.28	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.28	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.28	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.71	"	"	"	"	"	
Toluene	"	ND	-----	1.28	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.14	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.07	"	"	"	"	"	
Trichloroethene	"	ND	-----	2.14	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	4.28	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	4.28	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	**4.79**	-----	4.28	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.28	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.14	"	"	"	"	"	
o-Xylene	"	ND	-----	4.28	"	"	"	"	"	
m,p-Xylene	"	**10.6**	-----	4.28	"	"	"	"	"	
Total Xylenes	"	**11.9**	-----	8.56	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*99.7%*		*60 - 140 %*	"			"	
Toluene-d8			*99.1%*		*60 - 140 %*	"			"	
4-BFB			*96.2%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
Acetone	EPA 8260B	ND	-----	26.5	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:59	
Benzene	"	ND	-----	1.33	"	"	"	"	"	
Bromobenzene	"	ND	-----	4.42	"	"	"	"	"	
Bromochloromethane	"	ND	-----	4.42	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	4.42	"	"	"	"	"	
Bromoform	"	ND	-----	4.42	"	"	"	"	"	
Bromomethane	"	ND	-----	8.85	"	"	"	"	"	
2-Butanone	"	ND	-----	13.3	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	4.42	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	4.42	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	4.42	"	"	"	"	"	
Carbon disulfide	"	ND	-----	2.65	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	4.42	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.77	"	"	"	"	"	
Chloroethane	"	ND	-----	4.42	"	"	"	"	"	
Chloroform	"	ND	-----	2.21	"	"	"	"	"	
Chloromethane	"	ND	-----	8.85	"	"	"	"	"	Q-41
2-Chlorotoluene	"	ND	-----	4.42	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	4.42	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	4.42	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.85	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.42	"	"	"	"	"	
Dibromomethane	"	ND	-----	4.42	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.42	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.42	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.42	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	4.42	"	"	"	"	"	Q-41
1,1-Dichloroethane	"	ND	-----	1.77	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.11	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	2.65	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	2.65	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.21	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	4.42	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	4.42	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	8.85	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	4.42	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	4.42	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.11	"	"	"	"	"	
Ethylbenzene	"	ND	-----	3.54	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.42	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.885	"	"	"	"	"	
2-Hexanone	"	ND	-----	17.7	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	4.42	"	"	"	"	"	

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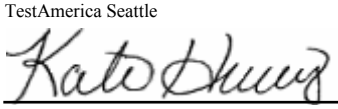

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name: **Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number: 0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager: Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
p-Isopropyltoluene	EPA 8260B	ND	-----	4.42	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:59	
4-Methyl-2-pentanone	"	ND	-----	17.7	"	"	"	"	"	
Methylene chloride	"	ND	-----	3.10	"	"	"	"	"	
Naphthalene	"	ND	-----	4.42	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	4.42	"	"	"	"	"	
Styrene	"	ND	-----	0.885	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.42	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.42	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.42	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.42	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.77	"	"	"	"	"	
Toluene	"	ND	-----	1.33	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.21	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.11	"	"	"	"	"	
Trichloroethene	"	ND	-----	2.21	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	4.42	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	4.42	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.42	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.42	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.21	"	"	"	"	"	
o-Xylene	"	ND	-----	4.42	"	"	"	"	"	
m,p-Xylene	"	ND	-----	4.42	"	"	"	"	"	
Total Xylenes	"	ND	-----	8.85	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*94.4%*		*60 - 140 %*	"			"	
Toluene-d8			*99.7%*		*60 - 140 %*	"			"	
4-BFB			*100%*		*60 - 140 %*	"			"	
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Acetone	EPA 8260B	ND	-----	35.8	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:35	
Benzene	"	ND	-----	1.79	"	"	"	"	"	
Bromobenzene	"	ND	-----	5.96	"	"	"	"	"	
Bromochloromethane	"	ND	-----	5.96	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	5.96	"	"	"	"	"	
Bromoform	"	ND	-----	5.96	"	"	"	"	"	
Bromomethane	"	ND	-----	11.9	"	"	"	"	"	
2-Butanone	"	ND	-----	17.9	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.96	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	5.96	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	5.96	"	"	"	"	"	
Carbon disulfide	"	ND	-----	3.58	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	5.96	"	"	"	"	"	
Chlorobenzene	"	ND	-----	2.38	"	"	"	"	"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Chloroethane	EPA 8260B	ND	-----	5.96	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:35	
Chloroform	"	ND	-----	2.98	"	"	"	"	"	
Chloromethane	"	ND	-----	11.9	"	"	"	"	"	Q-41
2-Chlorotoluene	"	ND	-----	5.96	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	5.96	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	5.96	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	11.9	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	5.96	"	"	"	"	"	
Dibromomethane	"	ND	-----	5.96	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	5.96	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	5.96	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	5.96	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.96	"	"	"	"	"	Q-41
1,1-Dichloroethane	"	ND	-----	2.38	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.49	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	3.58	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	3.58	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	2.98	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	5.96	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	5.96	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	11.9	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	5.96	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	5.96	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.49	"	"	"	"	"	
Ethylbenzene	"	ND	-----	4.77	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	5.96	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.19	"	"	"	"	"	
2-Hexanone	"	ND	-----	23.8	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	5.96	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	5.96	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	23.8	"	"	"	"	"	
Methylene chloride	"	ND	-----	4.17	"	"	"	"	"	
Naphthalene	"	ND	-----	5.96	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	5.96	"	"	"	"	"	
Styrene	"	ND	-----	1.19	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	5.96	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	5.96	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	5.96	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	5.96	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	2.38	"	"	"	"	"	
Toluene	"	ND	-----	1.79	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	2.98	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.49	"	"	"	"	"	

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Trichloroethene	EPA 8260B	ND	-----	2.98	ug/kg dry	1x	6D24015	04/24/06 08:56	04/24/06 11:35	
Trichlorofluoromethane	"	ND	-----	5.96	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	5.96	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	5.96	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	5.96	"	"	"	"	"	
Vinyl chloride	"	ND	-----	2.98	"	"	"	"	"	
o-Xylene	"	ND	-----	5.96	"	"	"	"	"	
m,p-Xylene	"	ND	-----	5.96	"	"	"	"	"	
Total Xylenes	"	ND	-----	11.9	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*98.7%*		*60 - 140 %*	"			"	
Toluene-d8			*104%*		*60 - 140 %*	"			"	
4-BFB			*104%*		*60 - 140 %*	"			"	

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
Acetone	EPA 8260B	ND	-----	1390	ug/kg dry	1x	6D26027	04/26/06 08:20	04/26/06 17:55	
Benzene	"	ND	-----	139	"	"	"	"	"	
Bromobenzene	"	ND	-----	139	"	"	"	"	"	
Bromochloromethane	"	ND	-----	139	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	139	"	"	"	"	"	
Bromoform	"	ND	-----	139	"	"	"	"	"	
Bromomethane	"	ND	-----	139	"	"	"	"	"	
2-Butanone	"	ND	-----	1390	"	"	"	"	"	
n-Butylbenzene	"	**6610**	-----	139	"	"	"	"	"	
sec-Butylbenzene	"	**2840**	-----	139	"	"	"	"	"	
tert-Butylbenzene	"	**159**	-----	139	"	"	"	"	"	
Carbon disulfide	"	ND	-----	139	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	139	"	"	"	"	"	
Chlorobenzene	"	ND	-----	139	"	"	"	"	"	
Chloroethane	"	ND	-----	139	"	"	"	"	"	
Chloroform	"	ND	-----	139	"	"	"	"	"	
Chloromethane	"	ND	-----	696	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	139	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	139	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	139	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	696	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	139	"	"	"	"	"	
Dibromomethane	"	ND	-----	139	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	139	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	139	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	139	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	139	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	139	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	139	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	139	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	139	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	139	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	139	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	139	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	139	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	139	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	139	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	139	"	"	"	"	"	
Ethylbenzene	"	**1300**	-----	139	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	139	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	696	"	"	"	"	"	
2-Hexanone	"	ND	-----	1390	"	"	"	"	"	
Isopropylbenzene	"	**898**	-----	139	"	"	"	"	"	

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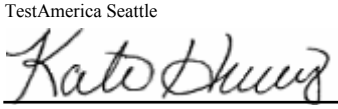

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
p-Isopropyltoluene	EPA 8260B	**1010**	-----	139	ug/kg dry	1x	6D26027	04/26/06 08:20	04/26/06 17:55	
4-Methyl-2-pentanone	"	ND	-----	1390	"	"	"	"	"	
Methylene chloride	"	ND	-----	1390	"	"	"	"	"	
Naphthalene	"	**1710**	-----	139	"	"	"	"	"	
n-Propylbenzene	"	**3320**	-----	139	"	"	"	"	"	
Styrene	"	ND	-----	139	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	139	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	139	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	139	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	139	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	139	"	"	"	"	"	
Toluene	"	ND	-----	139	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	139	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	139	"	"	"	"	"	
Trichloroethene	"	ND	-----	139	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	139	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	139	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	**17000**	-----	139	"	"	"	"	"	E
1,3,5-Trimethylbenzene	"	**7860**	-----	139	"	"	"	"	"	
Vinyl chloride	"	ND	-----	139	"	"	"	"	"	
Total Xylenes	"	**2300**	-----	418	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*89.9%*		*70 - 130 %*	"			"	
Toluene-d8			*107%*		*70 - 130 %*	"			"	
4-BFB			*85.6%*		*70 - 130 %*	"			"	
BPD0447-04RE1 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
1,2,4-Trimethylbenzene	EPA 8260B	**19500**	-----	696	ug/kg dry	5x	6D26027	04/26/06 08:20	04/27/06 16:34	
Surrogate(s): 1,2-DCA-d4			*88.8%*		*70 - 130 %*	*1x*			"	
Toluene-d8			*99.3%*		*70 - 130 %*	"			"	
4-BFB			*101%*		*70 - 130 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
Acenaphthene	EPA 8270C	ND	-----	355	ug/kg dry	1x	6D21058	04/21/06 13:37	04/23/06 22:50	
Acenaphthylene	"	ND	-----	355	"	"	"	"	"	
Aniline	"	ND	-----	355	"	"	"	"	"	
Anthracene	"	ND	-----	355	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	355	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	355	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	355	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	355	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	355	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1080	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	355	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	355	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	355	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	355	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	355	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	355	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	355	"	"	"	"	"	
Carbazole	"	ND	-----	355	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	538	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	355	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	355	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	355	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	355	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	355	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	355	"	"	"	"	"	
Chrysene	"	ND	-----	355	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	355	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	355	"	"	"	"	"	
Dibenzofuran	"	ND	-----	355	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	355	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	355	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	355	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	5380	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	355	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	355	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	355	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	355	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	538	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	538	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	538	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	538	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	355	"	"	"	"	"	
Fluoranthene	"	ND	-----	355	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**			**Sampled: 04/17/06 10:10**					
Fluorene	EPA 8270C	ND	-----	355	ug/kg dry	1x	6D21058	04/21/06 13:37	04/23/06 22:50	
Hexachlorobenzene	"	ND	-----	355	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	355	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	538	"	"	"	"	"	
Hexachloroethane	"	ND	-----	355	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	355	"	"	"	"	"	
Isophorone	"	ND	-----	355	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	355	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	355	"	"	"	"	"	
Naphthalene	"	ND	-----	355	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	538	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	538	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	538	"	"	"	"	"	
Nitrobenzene	"	ND	-----	355	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	355	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	538	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	355	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	355	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	538	"	"	"	"	"	
Phenanthrene	"	ND	-----	355	"	"	"	"	"	
Phenol	"	ND	-----	355	"	"	"	"	"	
Pyrene	"	ND	-----	355	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	355	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	355	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	355	"	"	"	"	"	
Surrogate(s): *2-FBP*		*76.5%*			*27 - 126 %*	"			"	
2-FP		*83.8%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*81.0%*			*26 - 125 %*	"			"	
Phenol-d6		*81.9%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*80.4%*			*26 - 150 %*	"			"	
2,4,6-TBP		*76.0%*			*10 - 152 %*	"			"	

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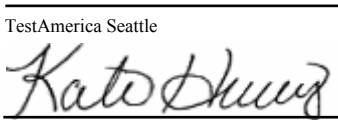

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Acenaphthene	EPA 8270C	ND	-----	384	ug/kg dry	1x	6D21058	04/21/06 13:37	04/23/06 23:22	
Acenaphthylene	"	ND	-----	384	"	"	"	"	"	
Aniline	"	ND	-----	384	"	"	"	"	"	
Anthracene	"	ND	-----	384	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	384	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	384	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	384	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	384	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	384	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1160	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	384	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	384	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	384	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	384	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	384	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	384	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	384	"	"	"	"	"	
Carbazole	"	ND	-----	384	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	582	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	384	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	384	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	384	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	384	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	384	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	384	"	"	"	"	"	
Chrysene	"	ND	-----	384	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	384	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	384	"	"	"	"	"	
Dibenzofuran	"	ND	-----	384	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	384	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	384	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	384	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	5820	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	384	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	384	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	384	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	384	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	582	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	582	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	582	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	582	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	384	"	"	"	"	"	
Fluoranthene	"	ND	-----	384	"	"	"	"	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-02 (B02-4.5)		**Soil**			**Sampled: 04/17/06 13:02**					
Fluorene	EPA 8270C	ND	-----	384	ug/kg dry	1x	6D21058	04/21/06 13:37	04/23/06 23:22	
Hexachlorobenzene	"	ND	-----	384	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	384	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	582	"	"	"	"	"	
Hexachloroethane	"	ND	-----	384	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	384	"	"	"	"	"	
Isophorone	"	ND	-----	384	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	384	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	384	"	"	"	"	"	
Naphthalene	"	ND	-----	384	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	582	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	582	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	582	"	"	"	"	"	
Nitrobenzene	"	ND	-----	384	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	384	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	582	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	384	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	384	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	582	"	"	"	"	"	
Phenanthrene	"	ND	-----	384	"	"	"	"	"	
Phenol	"	ND	-----	384	"	"	"	"	"	
Pyrene	"	ND	-----	384	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	384	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	384	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	384	"	"	"	"	"	
Surrogate(s): *2-FBP*		*81.4%*		*27 - 126 %*	"				"	
2-FP		*91.8%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*88.1%*		*26 - 125 %*	"				"	
Phenol-d6		*88.7%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*88.1%*		*26 - 150 %*	"				"	
2,4,6-TBP		*83.2%*		*10 - 152 %*	"				"	

TestAmerica Seattle

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

BPD0447-03 (B02-11) — Soil — Sampled: 04/17/06 13:42

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
Acenaphthene	EPA 8270C	ND	-----	373	ug/kg dry	1x	6D21058	04/21/06 13:37	04/23/06 23:55	
Acenaphthylene	"	ND	-----	373	"	"	"	"	"	
Aniline	"	ND	-----	373	"	"	"	"	"	
Anthracene	"	ND	-----	373	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	373	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	373	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	373	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	373	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	373	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1130	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	373	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	373	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	373	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	373	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	373	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	373	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	373	"	"	"	"	"	
Carbazole	"	ND	-----	373	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	566	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	373	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	373	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	373	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	373	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	373	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	373	"	"	"	"	"	
Chrysene	"	ND	-----	373	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	373	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	373	"	"	"	"	"	
Dibenzofuran	"	ND	-----	373	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	373	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	373	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	373	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	5660	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	373	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	373	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	373	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	373	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	566	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	566	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	566	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	566	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	373	"	"	"	"	"	
Fluoranthene	"	ND	-----	373	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-03 (B02-11)		**Soil**			**Sampled: 04/17/06 13:42**					
Fluorene	EPA 8270C	ND	-----	373	ug/kg dry	1x	6D21058	04/21/06 13:37	04/23/06 23:55	
Hexachlorobenzene	"	ND	-----	373	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	373	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	566	"	"	"	"	"	
Hexachloroethane	"	ND	-----	373	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	373	"	"	"	"	"	
Isophorone	"	ND	-----	373	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	373	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	373	"	"	"	"	"	
Naphthalene	"	ND	-----	373	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	566	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	566	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	566	"	"	"	"	"	
Nitrobenzene	"	ND	-----	373	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	373	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	566	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	373	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	373	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	566	"	"	"	"	"	
Phenanthrene	"	ND	-----	373	"	"	"	"	"	
Phenol	"	ND	-----	373	"	"	"	"	"	
Pyrene	"	ND	-----	373	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	373	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	373	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	373	"	"	"	"	"	
Surrogate(s): *2-FBP*		*79.4%*			*27 - 126 %*	"			"	
2-FP		*88.1%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*84.7%*			*26 - 125 %*	"			"	
Phenol-d6		*84.6%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*88.9%*			*26 - 150 %*	"			"	
2,4,6-TBP		*79.0%*			*10 - 152 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
Acenaphthene	EPA 8270C	ND	-----	385	ug/kg dry	1x	6D21058	04/21/06 13:37	04/25/06 17:55	
Acenaphthylene	"	ND	-----	385	"	"	"	"	"	
Aniline	"	ND	-----	385	"	"	"	"	"	
Anthracene	"	ND	-----	385	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	385	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	385	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	385	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	385	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	385	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1170	"	"	"	"	"	Q-40
Benzyl alcohol	"	ND	-----	385	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	385	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	385	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	385	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	385	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	385	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	385	"	"	"	"	"	
Carbazole	"	ND	-----	385	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	583	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	385	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	385	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	385	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	385	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	385	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	385	"	"	"	"	"	
Chrysene	"	ND	-----	385	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	385	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	385	"	"	"	"	"	
Dibenzofuran	"	ND	-----	385	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	385	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	385	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	385	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	5830	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	385	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	385	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	385	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	385	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	583	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	583	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	583	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	583	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	385	"	"	"	"	"	
Fluoranthene	"	ND	-----	385	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-04 (B03-6)		**Soil**			**Sampled: 04/18/06 09:38**					
Fluorene	EPA 8270C	**441**	-----	385	ug/kg dry	1x	6D21058	04/21/06 13:37	04/25/06 17:55	
Hexachlorobenzene	"	ND	-----	385	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	385	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	583	"	"	"	"	"	
Hexachloroethane	"	ND	-----	385	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	385	"	"	"	"	"	
Isophorone	"	ND	-----	385	"	"	"	"	"	
1-Methylnaphthalene	"	**790**	-----	385	"	"	"	"	"	
2-Methylnaphthalene	"	**838**	-----	385	"	"	"	"	"	
Naphthalene	"	ND	-----	385	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	583	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	583	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	583	"	"	"	"	"	
Nitrobenzene	"	ND	-----	385	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	385	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	583	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	385	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	385	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	583	"	"	"	"	"	
Phenanthrene	"	**690**	-----	385	"	"	"	"	"	
Phenol	"	ND	-----	385	"	"	"	"	"	
Pyrene	"	ND	-----	385	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	385	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	385	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	385	"	"	"	"	"	
Surrogate(s):	*2-FBP*		*67.5%*		*27 - 126 %*	"			"	
	2-FP		*71.5%*		*16 - 121 %*	"			"	
	Nitrobenzene-d5		*80.9%*		*26 - 125 %*	"			"	
	Phenol-d6		*72.0%*		*10 - 120 %*	"			"	
	p-Terphenyl-d14		*71.6%*		*26 - 150 %*	"			"	
	2,4,6-TBP		*79.4%*		*10 - 152 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					
Acenaphthene	EPA 8270C	ND	-----	417	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 00:28	
Acenaphthylene	"	ND	-----	417	"	"	"	"	"	
Aniline	"	ND	-----	417	"	"	"	"	"	
Anthracene	"	ND	-----	417	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	417	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	417	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	417	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	417	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	417	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1260	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	417	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	417	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	417	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	417	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	417	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	417	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	417	"	"	"	"	"	
Carbazole	"	ND	-----	417	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	632	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	417	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	417	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	417	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	417	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	417	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	417	"	"	"	"	"	
Chrysene	"	ND	-----	417	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	417	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	417	"	"	"	"	"	
Dibenzofuran	"	ND	-----	417	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	417	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	417	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	417	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	6320	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	417	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	417	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	417	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	417	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	632	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	632	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	632	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	632	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	417	"	"	"	"	"	
Fluoranthene	"	ND	-----	417	"	"	"	"	"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-05 (B03-12)		**Soil**			**Sampled: 04/18/06 10:01**					
Fluorene	EPA 8270C	ND	-----	417	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 00:28	
Hexachlorobenzene	"	ND	-----	417	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	417	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	632	"	"	"	"	"	
Hexachloroethane	"	ND	-----	417	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	417	"	"	"	"	"	
Isophorone	"	ND	-----	417	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	417	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	417	"	"	"	"	"	
Naphthalene	"	ND	-----	417	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	632	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	632	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	632	"	"	"	"	"	
Nitrobenzene	"	ND	-----	417	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	417	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	632	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	417	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	417	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	632	"	"	"	"	"	
Phenanthrene	"	ND	-----	417	"	"	"	"	"	
Phenol	"	ND	-----	417	"	"	"	"	"	
Pyrene	"	ND	-----	417	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	417	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	417	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	417	"	"	"	"	"	
Surrogate(s): *2-FBP*		*79.6%*			*27 - 126 %*	"			"	
2-FP		*83.9%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*85.8%*			*26 - 125 %*	"			"	
Phenol-d6		*84.4%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*83.9%*			*26 - 150 %*	"			"	
2,4,6-TBP		*66.8%*			*10 - 152 %*	"			"	

TestAmerica Seattle

Kate Haney, Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					
Acenaphthene	EPA 8270C	ND	-----	425	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 01:01	
Acenaphthylene	"	ND	-----	425	"	"	"	"	"	
Aniline	"	ND	-----	425	"	"	"	"	"	
Anthracene	"	ND	-----	425	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	425	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	425	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	425	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	425	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	425	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1290	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	425	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	425	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	425	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	425	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	425	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	425	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	425	"	"	"	"	"	
Carbazole	"	ND	-----	425	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	644	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	425	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	425	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	425	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	425	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	425	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	425	"	"	"	"	"	
Chrysene	"	ND	-----	425	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	425	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	425	"	"	"	"	"	
Dibenzofuran	"	ND	-----	425	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	425	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	425	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	425	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	6440	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	425	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	425	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	425	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	425	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	644	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	644	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	644	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	644	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	425	"	"	"	"	"	
Fluoranthene	"	ND	-----	425	"	"	"	"	"	

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Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-06 (B03-16)		**Soil**			**Sampled: 04/18/06 11:27**					
Fluorene	EPA 8270C	ND	-----	425	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 01:01	
Hexachlorobenzene	"	ND	-----	425	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	425	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	644	"	"	"	"	"	
Hexachloroethane	"	ND	-----	425	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	425	"	"	"	"	"	
Isophorone	"	ND	-----	425	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	425	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	425	"	"	"	"	"	
Naphthalene	"	ND	-----	425	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	644	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	644	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	644	"	"	"	"	"	
Nitrobenzene	"	ND	-----	425	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	425	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	644	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	425	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	425	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	644	"	"	"	"	"	
Phenanthrene	"	ND	-----	425	"	"	"	"	"	
Phenol	"	ND	-----	425	"	"	"	"	"	
Pyrene	"	ND	-----	425	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	425	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	425	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	425	"	"	"	"	"	
Surrogate(s): *2-FBP*		*78.1%*		*27 - 126 %*	"				"	
2-FP		*89.3%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*85.6%*		*26 - 125 %*	"				"	
Phenol-d6		*86.2%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*86.0%*		*26 - 150 %*	"				"	
2,4,6-TBP		*81.6%*		*10 - 152 %*	"				"	

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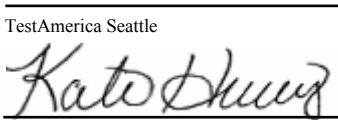

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BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
Acenaphthene	EPA 8270C	ND	-----	381	ug/kg dry	1x	6D21058	04/21/06 13:37	04/25/06 18:28	
Acenaphthylene	"	ND	-----	381	"	"	"	"	"	
Aniline	"	ND	-----	381	"	"	"	"	"	
Anthracene	"	ND	-----	381	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	381	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	381	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	381	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	381	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	381	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1150	"	"	"	"	"	Q-40
Benzyl alcohol	"	ND	-----	381	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	381	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	381	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	381	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	381	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	381	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	381	"	"	"	"	"	
Carbazole	"	ND	-----	381	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	577	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	381	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	381	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	381	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	381	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	381	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	381	"	"	"	"	"	
Chrysene	"	ND	-----	381	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	381	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	381	"	"	"	"	"	
Dibenzofuran	"	ND	-----	381	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	381	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	381	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	381	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	5770	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	381	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	381	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	381	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	381	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	577	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	577	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	577	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	577	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	381	"	"	"	"	"	
Fluoranthene	"	ND	-----	381	"	"	"	"	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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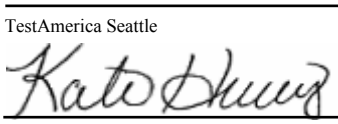
Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-07 (B04-1)		**Soil**			**Sampled: 04/18/06 13:15**					
Fluorene	EPA 8270C	ND	-----	381	ug/kg dry	1x	6D21058	04/21/06 13:37	04/25/06 18:28	
Hexachlorobenzene	"	ND	-----	381	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	381	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	577	"	"	"	"	"	
Hexachloroethane	"	ND	-----	381	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	381	"	"	"	"	"	
Isophorone	"	ND	-----	381	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	381	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	381	"	"	"	"	"	
Naphthalene	"	ND	-----	381	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	577	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	577	"	"	"	"	"	
4-Nitroaniline	"	ND	-----	577	"	"	"	"	"	
Nitrobenzene	"	ND	-----	381	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	381	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	577	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	381	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	381	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	577	"	"	"	"	"	
Phenanthrene	"	ND	-----	381	"	"	"	"	"	
Phenol	"	ND	-----	381	"	"	"	"	"	
Pyrene	"	ND	-----	381	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	381	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	381	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	381	"	"	"	"	"	
Surrogate(s): *2-FBP*		*73.4%*			*27 - 126 %*	"			"	
2-FP		*80.7%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*81.2%*			*26 - 125 %*	"			"	
Phenol-d6		*78.1%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*79.2%*			*26 - 150 %*	"			"	
2,4,6-TBP		*90.1%*			*10 - 152 %*	"			"	

TestAmerica Seattle



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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
Acenaphthene	EPA 8270C	ND	-----	406	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 01:33	
Acenaphthylene	"	ND	-----	406	"	"	"	"	"	
Aniline	"	ND	-----	406	"	"	"	"	"	
Anthracene	"	ND	-----	406	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	406	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	406	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	406	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	406	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	406	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1230	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	406	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	406	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	406	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	406	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	406	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	406	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	406	"	"	"	"	"	
Carbazole	"	ND	-----	406	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	615	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	406	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	406	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	406	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	406	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	406	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	406	"	"	"	"	"	
Chrysene	"	ND	-----	406	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	406	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	406	"	"	"	"	"	
Dibenzofuran	"	ND	-----	406	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	406	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	406	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	406	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	6150	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	406	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	406	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	406	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	406	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	615	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	615	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	615	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	615	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	406	"	"	"	"	"	
Fluoranthene	"	ND	-----	406	"	"	"	"	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-08 (B04-10)		**Soil**			**Sampled: 04/18/06 13:59**					
Fluorene	EPA 8270C	ND	-----	406	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 01:33	
Hexachlorobenzene	"	ND	-----	406	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	406	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	615	"	"	"	"	"	
Hexachloroethane	"	ND	-----	406	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	406	"	"	"	"	"	
Isophorone	"	ND	-----	406	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	406	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	406	"	"	"	"	"	
Naphthalene	"	ND	-----	406	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	615	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	615	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	615	"	"	"	"	"	
Nitrobenzene	"	ND	-----	406	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	406	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	615	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	406	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	406	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	615	"	"	"	"	"	
Phenanthrene	"	ND	-----	406	"	"	"	"	"	
Phenol	"	ND	-----	406	"	"	"	"	"	
Pyrene	"	ND	-----	406	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	406	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	406	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	406	"	"	"	"	"	
Surrogate(s): *2-FBP*		*75.1%*			*27 - 126 %*	"			"	
2-FP		*82.4%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*79.5%*			*26 - 125 %*	"			"	
Phenol-d6		*80.5%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*85.4%*			*26 - 150 %*	"			"	
2,4,6-TBP		*74.9%*			*10 - 152 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Acenaphthene	EPA 8270C	ND	-----	387	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 02:06	
Acenaphthylene	"	ND	-----	387	"	"	"	"	"	
Aniline	"	ND	-----	387	"	"	"	"	"	
Anthracene	"	ND	-----	387	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	387	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	387	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	387	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	387	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	387	"	"	"	"	"	
Benzoic Acid	"	ND	-----	1170	"	"	"	"	"	
Benzyl alcohol	"	ND	-----	387	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	387	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	387	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	387	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	387	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	387	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	387	"	"	"	"	"	
Carbazole	"	ND	-----	387	"	"	"	"	"	
4-Chloroaniline	"	ND	-----	587	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	387	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	387	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	387	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	387	"	"	"	"	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	387	"	"	"	"	"	
2-Methylphenol (o-Cresol)	"	ND	-----	387	"	"	"	"	"	
Chrysene	"	ND	-----	387	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	387	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	387	"	"	"	"	"	
Dibenzofuran	"	ND	-----	387	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	387	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	387	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	387	"	"	"	"	"	
3,3´-Dichlorobenzidine	"	ND	-----	5870	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	387	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	387	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	387	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	387	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	587	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	587	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	587	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	587	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	387	"	"	"	"	"	
Fluoranthene	"	ND	-----	387	"	"	"	"	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-09 (B04-22)		**Soil**			**Sampled: 04/18/06 14:50**					
Fluorene	EPA 8270C	ND	-----	387	ug/kg dry	1x	6D21058	04/21/06 13:37	04/24/06 02:06	
Hexachlorobenzene	"	ND	-----	387	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	387	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	587	"	"	"	"	"	
Hexachloroethane	"	ND	-----	387	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	387	"	"	"	"	"	
Isophorone	"	ND	-----	387	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	387	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	387	"	"	"	"	"	
Naphthalene	"	ND	-----	387	"	"	"	"	"	
2-Nitroaniline	"	ND	-----	587	"	"	"	"	"	
3-Nitroaniline	"	ND	-----	587	"	"	"	"	"	Q-40
4-Nitroaniline	"	ND	-----	587	"	"	"	"	"	
Nitrobenzene	"	ND	-----	387	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	387	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	587	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	387	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	387	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	587	"	"	"	"	"	
Phenanthrene	"	ND	-----	387	"	"	"	"	"	
Phenol	"	ND	-----	387	"	"	"	"	"	
Pyrene	"	ND	-----	387	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	387	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	-----	387	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	387	"	"	"	"	"	
Surrogate(s): *2-FBP*		*71.9%*			*27 - 126 %*	"			"	
2-FP		*80.6%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*78.1%*			*26 - 125 %*	"			"	
Phenol-d6		*78.5%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*76.5%*			*26 - 150 %*	"			"	
2,4,6-TBP		*74.9%*			*10 - 152 %*	"			"	

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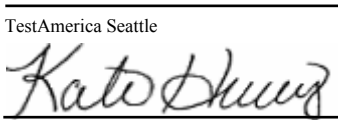

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name: **Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number: 0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager: Dee Gardner	05/08/06 17:14

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0447-01 (B01-11)		**Soil**				**Sampled: 04/17/06 10:10**				
Dry Weight	BSOPSPL003R08	**94.5**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-02 (B02-4.5)		**Soil**				**Sampled: 04/17/06 13:02**				
Dry Weight	BSOPSPL003R08	**85.9**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-03 (B02-11)		**Soil**				**Sampled: 04/17/06 13:42**				
Dry Weight	BSOPSPL003R08	**89.3**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-04 (B03-6)		**Soil**				**Sampled: 04/18/06 09:38**				
Dry Weight	BSOPSPL003R08	**84.9**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-05 (B03-12)		**Soil**				**Sampled: 04/18/06 10:01**				
Dry Weight	BSOPSPL003R08	**80.4**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-06 (B03-16)		**Soil**				**Sampled: 04/18/06 11:27**				
Dry Weight	BSOPSPL003R08	**78.7**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-07 (B04-1)		**Soil**				**Sampled: 04/18/06 13:15**				
Dry Weight	BSOPSPL003R08	**85.3**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-08 (B04-10)		**Soil**				**Sampled: 04/18/06 13:59**				
Dry Weight	BSOPSPL003R08	**81.8**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	
BPD0447-09 (B04-22)		**Soil**				**Sampled: 04/18/06 14:50**				
Dry Weight	BSOPSPL003R08	**86.1**	-----	1.00	%	1x	6D27053	04/27/06 13:59	04/28/06 00:00	

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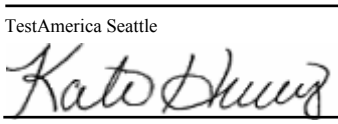

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21027 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21027-BLK1)								**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 11:27	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.3%*			*Limits: 50-150%*	"							*04/21/06 11:27*	
LCS (6D21027-BS1)								**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	51000	---	5000	ug/kg wet	1x	--	50000	102%	(75-125)	--	--	04/21/06 11:56	
Surrogate(s): 4-BFB (FID)		*Recovery: 107%*			*Limits: 50-150%*	"							*04/21/06 11:56*	
Duplicate (6D21027-DUP1)					**QC Source: BPD0443-01**			**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	56800	---	6260	ug/kg dry	1x	57300	--	--	--	0.876%	(40)	04/21/06 16:07	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 99.7%*			*Limits: 50-150%*	"							*04/21/06 16:07*	
Duplicate (6D21027-DUP2)					**QC Source: BPD0443-02**			**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4780	ug/kg dry	1x	ND	--	--	--	3.86%	(40)	04/21/06 15:37	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.5%*			*Limits: 50-150%*	"							*04/21/06 15:37*	
Matrix Spike (6D21027-MS1)					**QC Source: BPD0443-01**			**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	184000	---	6260	ug/kg dry	1x	57300	62600	202%	(42-125)	--	--	04/21/06 18:05	MS-3
Surrogate(s): 4-BFB (FID)		*Recovery: 127%*			*Limits: 50-150%*	"							*04/21/06 18:05*	

QC Batch: 6D25025 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D25025-BLK1)								**Extracted: 04/25/06 10:29**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/25/06 10:48	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.3%*			*Limits: 50-150%*	"							*04/25/06 10:48*	
LCS (6D25025-BS1)								**Extracted: 04/25/06 10:29**						
Gasoline Range Hydrocarbons	NWTPH-Gx	48300	---	5000	ug/kg wet	1x	--	50000	96.6%	(75-125)	--	--	04/25/06 11:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 96.0%*			*Limits: 50-150%*	"							*04/25/06 11:34*	
Duplicate (6D25025-DUP1)					**QC Source: BPD0569-03**			**Extracted: 04/25/06 10:29**						
Gasoline Range Hydrocarbons	NWTPH-Gx	91600	---	5070	ug/kg dry	1x	83900	--	--	--	8.77%	(40)	04/25/06 18:02	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 115%*			*Limits: 50-150%*	"							*04/25/06 18:02*	
Duplicate (6D25025-DUP2)					**QC Source: BPD0569-05**			**Extracted: 04/25/06 10:29**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5310	ug/kg dry	1x	ND	--	--	--	66.3%	(40)	04/25/06 19:04	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 88.1%*			*Limits: 50-150%*	"							*04/25/06 19:04*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D25025 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (6D25025-MS1)					**QC Source: BPD0569-03**				**Extracted: 04/25/06 10:29**					
Gasoline Range Hydrocarbons	NWTPH-Gx	128000	---	5070	ug/kg dry	1x	83900	50700	87.0%	(42-125)	--	--	04/25/06 19:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 114%*			*Limits: 50-150%*	"							*04/25/06 19:34*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21059 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21059-BLK1)								**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10000	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 13:14	
Lube Oil Range Hydrocarbons	"	ND	---	25000	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 99.5%*			*Limits: 50-150%*	"							*04/27/06 13:14*	
Octacosane		*100%*			*50-150%*	"							"	
LCS (6D21059-BS1)								**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	69700	---	10000	ug/kg wet	1x	--	66700	104%	(71-120)	--	--	04/28/06 18:10	
Lube Oil Range Hydrocarbons	"	70500	---	25000	"	"	--	"	106%	(60-140)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 88.4%*			*Limits: 50-150%*	"							*04/28/06 18:10*	
Octacosane		*93.6%*			*50-150%*	"							"	
Duplicate (6D21059-DUP1)					**QC Source: BPD0447-05**			**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	12600	ug/kg dry	1x	ND	--	--	--		(40)	04/27/06 13:58	
Lube Oil Range Hydrocarbons	"	ND	---	31400	"	"	ND	--	--	--	23.7%	"	"	
Surrogate(s): 2-FBP		*Recovery: 87.2%*			*Limits: 50-150%*	"							*04/27/06 13:58*	
Octacosane		*93.6%*			*50-150%*	"							"	
Duplicate (6D21059-DUP2)					**QC Source: BPD0443-03**			**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	672000	---	57900	ug/kg dry	5x	897000	--	--	--	28.7%	(40)	04/27/06 15:38	
Lube Oil Range Hydrocarbons	"	1030000	---	145000	"	"	1390000	--	--	--	29.8%	"	"	
Surrogate(s): 2-FBP		*Recovery: 126%*			*Limits: 50-150%*	"							*04/27/06 15:38*	
Octacosane		*87.8%*			*50-150%*	"							"	
Matrix Spike (6D21059-MS1)					**QC Source: BPD0447-05**			**Extracted: 04/21/06 13:39**						
Diesel Range Hydrocarbons	NWTPH-Dx	101000	---	12500	ug/kg dry	1x	ND	83200	121%	(45-144)	--	--	04/27/06 15:53	
Lube Oil Range Hydrocarbons	"	104000	---	31200	"	"	8170	"	115%	(50-150)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 105%*			*Limits: 50-150%*	"							*04/27/06 15:53*	
Octacosane		*109%*			*50-150%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20043 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20043-BLK1)									**Extracted: 04/20/06 13:18**					
Barium	EPA 6020	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 22:32	
Silver	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
LCS (6D20043-BS1)									**Extracted: 04/20/06 13:18**					
Selenium	EPA 6020	40000	---	500	ug/kg wet	1x	--	40000	100%	(80-120)	--	--	04/21/06 22:38	
Silver	"	40200	---	500	"	"	--	"	100%	"	--	--	"	
Barium	"	41200	---	5000	"	"	--	"	103%	"	--	--	"	
Cadmium	"	41200	---	500	"	"	--	"	103%	"	--	--	"	
Chromium	"	40400	---	500	"	"	--	"	101%	"	--	--	"	
Lead	"	40900	---	500	"	"	--	"	102%	"	--	--	"	
Arsenic	"	40800	---	500	"	"	--	"	102%	"	--	--	"	
Duplicate (6D20043-DUP1)					**QC Source: BPD0443-05**					**Extracted: 04/20/06 13:18**				
Chromium	EPA 6020	36100	---	558	ug/kg dry	1x	33900	--	--	--	6.29%	(30)	04/21/06 22:55	
Cadmium	"	ND	---	558	"	"	ND	--	--	--	25.2%	"	"	
Arsenic	"	2230	---	558	"	"	2240	--	--	--	0.447%	"	"	
Silver	"	ND	---	558	"	"	ND	--	--	--	74.9%	(50)	"	**DP-1**
Selenium	"	ND	---	558	"	"	ND	--	--	--	NR	(30)	"	
Lead	"	2410	---	558	"	"	2380	--	--	--	1.25%	"	"	
Barium	"	63500	---	5580	"	"	60300	--	--	--	5.17%	"	"	
Matrix Spike (6D20043-MS1)					**QC Source: BPD0443-05**					**Extracted: 04/20/06 13:18**				
Chromium	EPA 6020	79800	---	558	ug/kg dry	1x	33900	44600	103%	(30-163)	--	--	04/21/06 22:50	
Silver	"	44100	---	558	"	"	83.7	"	98.7%	(54-126)	--	--	"	
Arsenic	"	46600	---	558	"	"	2240	"	99.5%	(57-125)	--	--	"	
Barium	"	109000	---	5580	"	"	60300	"	109%	(20-160)	--	--	"	
Selenium	"	43800	---	558	"	"	ND	"	98.2%	(61-120)	--	--	"	
Cadmium	"	45800	---	558	"	"	156	"	102%	(80-120)	--	--	"	
Lead	"	47800	---	558	"	"	2380	"	102%	(29-166)	--	--	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20043 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Post Spike (6D20043-PS1)					**QC Source: BPD0443-05**								**Extracted: 04/20/06 13:18**	
Lead	EPA 6020	0.101	---		ug/ml	1x	0.00426	0.100	96.7%	(75-125)	--	--	04/21/06 22:44	
Selenium	"	0.0971	---		"	"	0.0000800	"	97.0%	"	--	--	"	
Chromium	"	0.157	---		"	"	0.0608	"	96.2%	"	--	--	"	
Arsenic	"	0.107	---		"	"	0.00401	"	103%	"	--	--	"	
Silver	"	0.0972	---		"	"	0.000150	"	97.0%	"	--	--	"	
Barium	"	0.208	---		"	"	0.108	"	100%	"	--	--	"	
Cadmium	"	0.0986	---		"	"	0.000280	"	98.3%	"	--	--	"	

QC Batch: 6D27044 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27044-BLK1)													**Extracted: 04/27/06 12:16**	
Mercury	EPA 7471A	ND	---	400	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 13:00	
LCS (6D27044-BS1)													**Extracted: 04/27/06 12:16**	
Mercury	EPA 7471A	750	---	400	ug/kg wet	1x	--	667	112%	(80-120)	--	--	04/27/06 13:03	
Matrix Spike (6D27044-MS1)					**QC Source: BPD0557-01**								**Extracted: 04/27/06 12:16**	
Mercury	EPA 7471A	988	---	473	ug/kg dry	1x	ND	789	125%	(70-130)	--	--	04/27/06 13:05	
Matrix Spike Dup (6D27044-MSD1)					**QC Source: BPD0557-01**								**Extracted: 04/27/06 12:16**	
Mercury	EPA 7471A	932	---	473	ug/kg dry	1x	ND	789	118%	(70-130)	5.83%	(30)	04/27/06 13:08	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20042-BLK1)									**Extracted: 04/21/06 09:00**					
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 10:47	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20042-BLK1)							**Extracted: 04/21/06 09:00**							
Hexachlorobutadiene	EPA 8260B	ND	---	5.00	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 10:47	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 60-140%*	"							*04/21/06 10:47*	
Toluene-d8		*100%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

LCS (6D20042-BS1)

Extracted: 04/21/06 09:00

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Acetone	EPA 8260B	319	---	30.0	ug/kg wet	1x	--	400	79.8%	(70-130)	--	--	04/21/06 09:11	
Benzene	"	39.8	---	1.50	"	"	--	40.0	99.5%	"	--	--	"	
2-Butanone	"	342	---	15.0	"	"	--	400	85.5%	"	--	--	"	
Carbon disulfide	"	57.2	---	3.00	"	"	--	40.0	143%	"	--	--	"	**BS-1**
Chlorobenzene	"	40.1	---	2.00	"	"	--	"	100%	"	--	--	"	
1,1-Dichloroethane	"	42.0	---	2.00	"	"	--	"	105%	"	--	--	"	
1,1-Dichloroethene	"	43.7	---	3.00	"	"	--	"	109%	"	--	--	"	
cis-1,2-Dichloroethene	"	42.2	---	3.00	"	"	--	"	106%	"	--	--	"	
Ethylbenzene	"	41.0	---	4.00	"	"	--	"	102%	"	--	--	"	
Hexachlorobutadiene	"	42.6	---	5.00	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	342	---	20.0	"	"	--	400	85.5%	"	--	--	"	
Tetrachloroethene	"	42.8	---	2.00	"	"	--	40.0	107%	"	--	--	"	
Toluene	"	41.0	---	1.50	"	"	--	"	102%	"	--	--	"	
1,1,1-Trichloroethane	"	44.4	---	2.50	"	"	--	"	111%	"	--	--	"	
Trichloroethene	"	42.0	---	2.50	"	"	--	"	105%	"	--	--	"	

Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*95.5%*	*Limits: 60-140%*	*"*	*04/21/06 09:11*
	Toluene-d8		*105%*	*60-140%*	*"*	*"*
	4-BFB		*102%*	*60-140%*	*"*	*"*

LCS Dup (6D20042-BSD1)

Extracted: 04/21/06 09:00

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Acetone	EPA 8260B	354	---	30.0	ug/kg wet	1x	--	400	88.5%	(70-130)	10.4%	(30)	04/21/06 09:36	
Benzene	"	39.7	---	1.50	"	"	--	40.0	99.2%	"	0.252%	"	"	
2-Butanone	"	390	---	15.0	"	"	--	400	97.5%	"	13.1%	"	"	
Carbon disulfide	"	54.9	---	3.00	"	"	--	40.0	137%	"	4.10%	"	"	**BS-1**
Chlorobenzene	"	39.7	---	2.00	"	"	--	"	99.2%	"	1.00%	"	"	
1,1-Dichloroethane	"	40.9	---	2.00	"	"	--	"	102%	"	2.65%	"	"	
1,1-Dichloroethene	"	41.2	---	3.00	"	"	--	"	103%	"	5.89%	"	"	
cis-1,2-Dichloroethene	"	41.3	---	3.00	"	"	--	"	103%	"	2.16%	"	"	
Ethylbenzene	"	40.4	---	4.00	"	"	--	"	101%	"	1.47%	"	"	
Hexachlorobutadiene	"	40.6	---	5.00	"	"	--	"	102%	"	4.81%	"	"	
4-Methyl-2-pentanone	"	397	---	20.0	"	"	--	400	99.2%	"	14.9%	"	"	
Tetrachloroethene	"	40.4	---	2.00	"	"	--	40.0	101%	"	5.77%	"	"	
Toluene	"	40.2	---	1.50	"	"	--	"	100%	"	1.97%	"	"	
1,1,1-Trichloroethane	"	41.9	---	2.50	"	"	--	"	105%	"	5.79%	"	"	
Trichloroethene	"	41.0	---	2.50	"	"	--	"	102%	"	2.41%	"	"	

Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*98.2%*	*Limits: 60-140%*	*"*	*04/21/06 09:36*
	Toluene-d8		*102%*	*60-140%*	*"*	*"*
	4-BFB		*100%*	*60-140%*	*"*	*"*

TestAmerica Seattle

Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D24015-BLK1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	04/24/06 10:48	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	Q-41
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	Q-41
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D24015-BLK1)							**Extracted: 04/24/06 08:56**							
Hexachlorobutadiene	EPA 8260B	ND	---	5.00	ug/kg wet	1x	--	--	--	--	--	--	04/24/06 10:48	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.2%*			*Limits: 60-140%*	"							*04/24/06 10:48*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D24015-BS1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	407	---	30.0	ug/kg wet	1x	--	400	102%	(70-130)	--	--	04/24/06 09:12	
Benzene	"	41.2	---	1.50	"	"	--	40.0	103%	"	--	--	"	
2-Butanone	"	443	---	15.0	"	"	--	400	111%	"	--	--	"	
Carbon disulfide	"	48.7	---	3.00	"	"	--	40.0	122%	"	--	--	"	
Chlorobenzene	"	39.6	---	2.00	"	"	--	"	99.0%	"	--	--	"	
1,1-Dichloroethane	"	43.9	---	2.00	"	"	--	"	110%	"	--	--	"	
1,1-Dichloroethene	"	44.4	---	3.00	"	"	--	"	111%	"	--	--	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	108%	"	--	--	"	
Ethylbenzene	"	40.4	---	4.00	"	"	--	"	101%	"	--	--	"	
Hexachlorobutadiene	"	42.4	---	5.00	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	432	---	20.0	"	"	--	400	108%	"	--	--	"	
Tetrachloroethene	"	39.5	---	2.00	"	"	--	40.0	98.8%	"	--	--	"	
Toluene	"	40.6	---	1.50	"	"	--	"	102%	"	--	--	"	
1,1,1-Trichloroethane	"	43.1	---	2.50	"	"	--	"	108%	"	--	--	"	
Trichloroethene	"	41.8	---	2.50	"	"	--	"	104%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.0%*			*Limits: 60-140%*	"							*04/24/06 09:12*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*98.2%*			*60-140%*	"							"	
LCS Dup (6D24015-BSD1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	435	---	30.0	ug/kg wet	1x	--	400	109%	(70-130)	6.65%	(30)	04/24/06 09:36	
Benzene	"	41.7	---	1.50	"	"	--	40.0	104%	"	1.21%	"	"	
2-Butanone	"	473	---	15.0	"	"	--	400	118%	"	6.55%	"	"	
Carbon disulfide	"	49.2	---	3.00	"	"	--	40.0	123%	"	1.02%	"	"	
Chlorobenzene	"	40.3	---	2.00	"	"	--	"	101%	"	1.75%	"	"	
1,1-Dichloroethane	"	43.6	---	2.00	"	"	--	"	109%	"	0.686%	"	"	
1,1-Dichloroethene	"	44.7	---	3.00	"	"	--	"	112%	"	0.673%	"	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	108%	"	0.00%	"	"	
Ethylbenzene	"	40.9	---	4.00	"	"	--	"	102%	"	1.23%	"	"	
Hexachlorobutadiene	"	41.9	---	5.00	"	"	--	"	105%	"	1.19%	"	"	
4-Methyl-2-pentanone	"	452	---	20.0	"	"	--	400	113%	"	4.52%	"	"	
Tetrachloroethene	"	41.4	---	2.00	"	"	--	40.0	104%	"	4.70%	"	"	
Toluene	"	41.9	---	1.50	"	"	--	"	105%	"	3.15%	"	"	
1,1,1-Trichloroethane	"	43.6	---	2.50	"	"	--	"	109%	"	1.15%	"	"	
Trichloroethene	"	42.0	---	2.50	"	"	--	"	105%	"	0.477%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 100%*			*Limits: 60-140%*	"							*04/24/06 09:36*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*99.5%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)								**Extracted: 04/26/06 08:20**						
Acetone	EPA 8260B	ND	---	1000	ug/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Benzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)							**Extracted: 04/26/06 08:20**							
Hexachlorobutadiene	EPA 8260B	ND	---	100	ug/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Methyl tert-butyl ether	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/26/06 12:02*	
Toluene-d8		*111%*			*70-130%*	"							*"*	
4-BFB		*108%*			*70-130%*	"							*"*	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK2)									**Extracted: 04/26/06 08:20**					
Acetone	EPA 8260B	ND	---	1000	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Benzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK2)							**Extracted: 04/26/06 08:20**							
Hexachlorobutadiene	EPA 8260B	ND	---	100	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Methyl tert-butyl ether	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/27/06 11:43*	
Toluene-d8		*112%*			*70-130%*	"							"	
4-BFB		*110%*			*70-130%*	"							"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D26027-BS1)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	1860	---	100	ug/kg wet	1x	--	2000	93.0%	(75-130)	--	--	04/26/06 09:26	
Chlorobenzene	"	1870	---	100	"	"	--	"	93.5%	(77-124)	--	--	"	
1,1-Dichloroethene	"	2040	---	100	"	"	--	"	102%	(74-133)	--	--	"	
Trichloroethene	"	1920	---	100	"	"	--	"	96.0%	(78-128)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 70-130%*	"							*04/26/06 09:26*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*98.0%*			*70-130%*	"							"	
LCS Dup (6D26027-BSD1)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	1790	---	100	ug/kg wet	1x	--	2000	89.5%	(75-130)	3.84%	(20)	04/27/06 09:59	
Chlorobenzene	"	1770	---	100	"	"	--	"	88.5%	(77-124)	5.49%	"	"	
1,1-Dichloroethene	"	1760	---	100	"	"	--	"	88.0%	(74-133)	14.7%	"	"	
Trichloroethene	"	1880	---	100	"	"	--	"	94.0%	(78-128)	2.11%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 88.5%*			*Limits: 70-130%*	"							*04/27/06 09:59*	
Toluene-d8		*96.0%*			*70-130%*	"							"	
4-BFB		*99.0%*			*70-130%*	"							"	
Matrix Spike (6D26027-MS1)					**QC Source: BPD0612-01**		**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	1830	---	94.4	ug/kg dry	1x	ND	1890	96.8%	(66-135)	--	--	04/26/06 09:53	
Chlorobenzene	"	1800	---	94.4	"	"	ND	"	95.2%	(63-131)	--	--	"	
1,1-Dichloroethene	"	1900	---	94.4	"	"	ND	"	101%	(64-143)	--	--	"	
Trichloroethene	"	1900	---	94.4	"	"	ND	"	101%	(66-144)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.8%*			*Limits: 70-130%*	"							*04/26/06 09:53*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*101%*			*70-130%*	"							"	
Matrix Spike Dup (6D26027-MSD1)					**QC Source: BPD0612-01**		**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	1810	---	91.3	ug/kg dry	1x	ND	1830	98.9%	(66-135)	1.10%	(25)	04/26/06 10:21	
Chlorobenzene	"	1840	---	91.3	"	"	ND	"	101%	(63-131)	2.20%	"	"	
1,1-Dichloroethene	"	1940	---	91.3	"	"	ND	"	106%	(64-143)	2.08%	"	"	
Trichloroethene	"	1950	---	91.3	"	"	ND	"	107%	(66-144)	2.60%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 70-130%*	"							*04/26/06 10:21*	
Toluene-d8		*97.3%*			*70-130%*	"							"	
4-BFB		*99.7%*			*70-130%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21058-BLK1)									**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	ND	---	330	ug/kg wet	1x	--	--	--	--	--	--	04/23/06 19:34	
Acenaphthylene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Aniline	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Carbazole	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Methylphenol (o-Cresol)	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
3,3´-Dichlorobenzidine	"	ND	---	5000	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	

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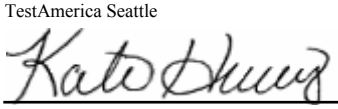

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21058-BLK1)								**Extracted: 04/21/06 13:37**						
2,4-Dinitrotoluene	EPA 8270C	ND	---	500	ug/kg wet	1x	--	--	--	--	--	--	04/23/06 19:34	
2,6-Dinitrotoluene	"	ND	---	500	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	Q-40
4-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*2-FBP*	*Recovery: 80.2%*	*Limits: 27-126%*	"	*04/23/06 19:34*
	2-FP	*87.7%*	*16-121%*	"	"
	Nitrobenzene-d5	*83.8%*	*26-125%*	"	"
	Phenol-d6	*86.8%*	*10-120%*	"	"
	p-Terphenyl-d14	*88.6%*	*26-150%*	"	"
	2,4,6-TBP	*82.0%*	*10-152%*	"	"

TestAmerica Seattle

Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D21058-BS1)									**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	3150	---	330	ug/kg wet	1x	--	3330	94.6%	(47-128)	--	--	04/23/06 20:06	
4-Chloro-3-methylphenol	"	3490	---	330	"	"	--	"	105%	(49-130)	--	--	"	
2-Chlorophenol	"	3070	---	330	"	"	--	"	92.2%	(51-120)	--	--	"	
1,4-Dichlorobenzene	"	2780	---	330	"	"	--	"	83.5%	"	--	--	"	
2,4-Dinitrotoluene	"	3100	---	500	"	"	--	"	93.1%	(51-135)	--	--	"	
4-Nitrophenol	"	3660	---	500	"	"	--	"	110%	(32-155)	--	--	"	
N-Nitrosodi-n-propylamine	"	2920	---	330	"	"	--	"	87.7%	(51-120)	--	--	"	
Pentachlorophenol	"	4310	---	500	"	"	--	"	129%	(46-163)	--	--	"	
Phenol	"	3050	---	330	"	"	--	"	91.6%	(50-122)	--	--	"	
Pyrene	"	3070	---	330	"	"	--	"	92.2%	(45-138)	--	--	"	
1,2,4-Trichlorobenzene	"	2940	---	330	"	"	--	"	88.3%	(47-120)	--	--	"	
2,4,5-Trichlorophenol	"	3140	---	330	"	"	--	"	94.3%	(0-200)	--	--	"	
2,4,6-Trichlorophenol	"	3350	---	330	"	"	--	"	101%	"	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.8%*			*Limits: 27-126%*	"							*04/23/06 20:06*	
2-FP		*84.4%*			*16-121%*	"							"	
Nitrobenzene-d5		*83.2%*			*26-125%*	"							"	
Phenol-d6		*87.4%*			*10-120%*	"							"	
p-Terphenyl-d14		*84.4%*			*26-150%*	"							"	
2,4,6-TBP		*89.5%*			*10-152%*	"							"	
Matrix Spike (6D21058-MS1)					**QC Source: BPD0447-06**				**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	3820	---	414	ug/kg dry	1x	ND	4180	91.4%	(47-128)	--	--	04/23/06 20:39	
4-Chloro-3-methylphenol	"	4210	---	414	"	"	ND	"	101%	(45-130)	--	--	"	
2-Chlorophenol	"	3840	---	414	"	"	ND	"	91.9%	(48-120)	--	--	"	
1,4-Dichlorobenzene	"	3500	---	414	"	"	ND	"	83.7%	(50-120)	--	--	"	
2,4-Dinitrotoluene	"	3780	---	627	"	"	ND	"	90.4%	(34-154)	--	--	"	
4-Nitrophenol	"	4440	---	627	"	"	ND	"	106%	(17-164)	--	--	"	
N-Nitrosodi-n-propylamine	"	3620	---	414	"	"	ND	"	86.6%	(49-120)	--	--	"	
Pentachlorophenol	"	5310	---	627	"	"	ND	"	127%	(22-183)	--	--	"	
Phenol	"	3810	---	414	"	"	ND	"	91.1%	(32-132)	--	--	"	
Pyrene	"	3630	---	414	"	"	ND	"	86.8%	(31-147)	--	--	"	
1,2,4-Trichlorobenzene	"	3680	---	414	"	"	ND	"	88.0%	(47-120)	--	--	"	
2,4,5-Trichlorophenol	"	3840	---	414	"	"	ND	"	91.9%	(0-200)	--	--	"	
2,4,6-Trichlorophenol	"	4110	---	414	"	"	ND	"	98.3%	"	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.9%*			*Limits: 27-126%*	"							*04/23/06 20:39*	
2-FP		*85.2%*			*16-121%*	"							"	
Nitrobenzene-d5		*84.7%*			*26-125%*	"							"	
Phenol-d6		*87.6%*			*10-120%*	"							"	
p-Terphenyl-d14		*80.9%*			*26-150%*	"							"	
2,4,6-TBP		*88.0%*			*10-152%*	"							"	

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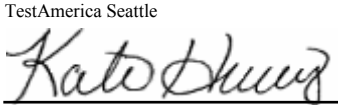

Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6D21058-MSD1)					**QC Source: BPD0447-06**				**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	3700	---	412	ug/kg dry	1x	ND	4170	88.7%	(47-128)	3.19%	(24)	04/23/06 21:12	
4-Chloro-3-methylphenol	"	4160	---	412	"	"	ND	"	99.8%	(45-130)	1.19%	(23)	"	
2-Chlorophenol	"	3830	---	412	"	"	ND	"	91.8%	(48-120)	0.261%	(27)	"	
1,4-Dichlorobenzene	"	3510	---	412	"	"	ND	"	84.2%	(50-120)	0.285%	(34)	"	
2,4-Dinitrotoluene	"	3660	---	625	"	"	ND	"	87.8%	(34-154)	3.23%	(24)	"	
4-Nitrophenol	"	4390	---	625	"	"	ND	"	105%	(17-164)	1.13%	(31)	"	
N-Nitrosodi-n-propylamine	"	3610	---	412	"	"	ND	"	86.6%	(49-120)	0.277%	"	"	
Pentachlorophenol	"	5130	---	625	"	"	ND	"	123%	(22-183)	3.45%	(26)	"	
Phenol	"	3760	---	412	"	"	ND	"	90.2%	(32-132)	1.32%	(31)	"	
Pyrene	"	3530	---	412	"	"	ND	"	84.7%	(31-147)	2.79%	(26)	"	
1,2,4-Trichlorobenzene	"	3680	---	412	"	"	ND	"	88.2%	(47-120)	0.00%	(25)	"	
2,4,5-Trichlorophenol	"	3740	---	412	"	"	ND	"	89.7%	(0-200)	2.64%	(200)	"	
2,4,6-Trichlorophenol	"	3980	---	412	"	"	ND	"	95.4%	"	3.21%	"	"	
Surrogate(s): 2-FBP		*Recovery: 79.3%*			*Limits: 27-126%*	"							*04/23/06 21:12*	
2-FP		*84.7%*			*16-121%*	"							"	
Nitrobenzene-d5		*83.2%*			*26-125%*	"							"	
Phenol-d6		*86.3%*			*10-120%*	"							"	
p-Terphenyl-d14		*77.9%*			*26-150%*	"							"	
2,4,6-TBP		*83.9%*			*10-152%*	"							"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D27053 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27053-BLK1)								**Extracted: 04/27/06 13:59**						
Dry Weight	BSOPSPL00 3R08	99.6	---	1.00	%	1x	--	--	--	--	--	--	04/28/06 00:00	

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:14

Notes and Definitions

Report Specific Notes:

A-01	-	The sample aliquot was taken from the 4 oz. jar.
BS-1	-	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the laboratory control limits. Analyte not detected, data not impacted.
DP-1	-	Sample RPD exceeded the laboratory control limit.
E	-	Estimated value. The reported value exceeds the calibration range of the analysis.
G-01	-	Results reported for the gas range are primarily due to overlap from diesel range hydrocarbons.
G-02	-	The chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.
MS-3	-	The Matrix Spike and/or Matrix Spike Duplicate were above the acceptance limits due to sample matrix interference. See Laboratory Control Sample.
Q-40	-	This analyte had a low bias in the associated calibration verification standard.
Q-41	-	This analyte had a high bias in the associated calibration verification standard.
RP-4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
SR-4	-	Due to sample matrix effects, the surrogate recovery was outside laboratory control limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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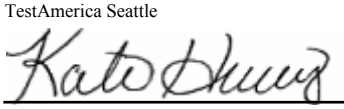

Kate Haney, Project Manager

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11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: 13PD043

NCA CLIENT: Time Oil Company
REPORT TO: Dee Gardner
ADDRESS: 2400 Airport Way South, Suite 200, Seattle, WA 98134-2020
PHONE: 206-306-1900 FAX: 206-306-1907

INVOICE TO: Time Oil Company
P.O. NUMBER:

PROJECT NAME: ASKO
PROJECT NUMBER: 0440-004-05
SAMPLED BY: B. Noller

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: [X] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: [X] STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: GRPH	VOCs	DRPH	SVOCs	RCRA metals	Dry Weight	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	B05-1.5	4-19-06 / 0855		X	X	X	X	X	X	S	5	B05	-01
2	B05-22.5	/ 1010											-02
3	B06-2	/ 1215										B06	-03
4	B99-2	/ 1215											-04
5	B06-21.5	/ 1316											-05
6													
7													
8													
9													
10													

RELEASED BY: Ben Noller — DATE: 4/19/06
PRINT NAME: Ben Noller — FIRM: SES — TIME: 15:50

RECEIVED BY: Cathy Gamble — DATE: 4/19/06
PRINT NAME: Cathy Gamble — FIRM: NCA — TIME: 15:50

RELEASED BY: — DATE:
PRINT NAME: — FIRM: — TIME:

RECEIVED BY: — DATE:
PRINT NAME: — FIRM: — TIME:

ADDITIONAL REMARKS:

TEMP: 11.4°

COC REV 09/04

PAGE 1 OF 1

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

May 08, 2006

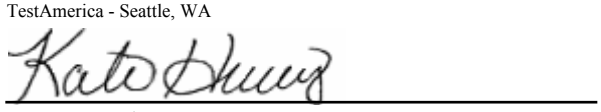
Dee Gardner
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Time Oil - ASKO

Enclosed are the results of analyses for samples received by the laboratory on 04/19/06 15:50. The following list is a summary of the Work Orders contained in this report, generated on 05/08/06 17:02.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPD0443	Time Oil - ASKO	0440-004-05



Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B05-1.5	BPD0443-01	Soil	04/19/06 08:55	04/19/06 15:50
B05-22.5	BPD0443-02	Soil	04/19/06 10:10	04/19/06 15:50
B06-2	BPD0443-03	Soil	04/19/06 12:15	04/19/06 15:50
B99-2	BPD0443-04	Soil	04/19/06 12:15	04/19/06 15:50
B06-21.5	BPD0443-05	Soil	04/19/06 13:16	04/19/06 15:50

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						
Gasoline Range Hydrocarbons	NWTPH-Gx	**57300**	-----	6260	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 13:33	**G-01**
Surrogate(s): 4-BFB (FID)		*104%*			*50 - 150 %*	"			"	
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4780	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 14:02	
Surrogate(s): 4-BFB (FID)		*100%*			*50 - 150 %*	"			"	
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Gasoline Range Hydrocarbons	NWTPH-Gx	**140000**	-----	4380	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 17:06	**G-02**
Surrogate(s): 4-BFB (FID)		*154%*			*50 - 150 %*	"			"	***SR-4***
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Gasoline Range Hydrocarbons	NWTPH-Gx	**80500**	-----	4270	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 17:35	**G-02**
Surrogate(s): 4-BFB (FID)		*127%*			*50 - 150 %*	"			"	
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5280	ug/kg dry	1x	6D2102	04/21/06 09:39	04/21/06 19:34	
Surrogate(s): 4-BFB (FID)		*97.8%*			*50 - 150 %*	"			"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						
Diesel Range Hydrocarbons	NWTPH-Dx	**86400**	-----	13700	ug/kg dry	1x	6D2105	04/21/06 13:39	04/27/06 16:22	
Lube Oil Range Hydrocarbons	"	**112000**	-----	34200	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*96.5%*			*50 - 150 %*	"			"	
Octacosane		*99.1%*			*50 - 150 %*	"			"	
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12100	ug/kg dry	1x	6D2105	04/21/06 13:39	04/27/06 16:37	
Lube Oil Range Hydrocarbons	"	ND	-----	30200	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*88.5%*			*50 - 150 %*	"			"	
Octacosane		*100%*			*50 - 150 %*	"			"	
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Diesel Range Hydrocarbons	NWTPH-Dx	**897000**	-----	57700	ug/kg dry	5x	6D2105	04/21/06 13:39	04/27/06 17:06	
Lube Oil Range Hydrocarbons	"	**1390000**	-----	144000	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*99.1%*			*50 - 150 %*	"			"	
Octacosane		*91.3%*			*50 - 150 %*	"			"	
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Diesel Range Hydrocarbons	NWTPH-Dx	**1650000**	-----	117000	ug/kg dry	10x	6D2105	04/21/06 13:39	04/27/06 17:21	
Lube Oil Range Hydrocarbons	"	**3050000**	-----	294000	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*123%*			*50 - 150 %*	"			"	
Octacosane		*99.4%*			*50 - 150 %*	"			"	
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11200	ug/kg dry	1x	6D2105	04/21/06 13:39	04/27/06 17:50	
Lube Oil Range Hydrocarbons	"	ND	-----	27900	"	"	"	04/21/06 13:39	"	
Surrogate(s): 2-FBP		*91.7%*			*50 - 150 %*	"			"	
Octacosane		*95.7%*			*50 - 150 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						
Arsenic	EPA 6020	**8130**	-----	723	ug/kg dry	1x	6D2004	04/20/06 13:18	04/21/06 23:47	
Barium	"	**215000**	-----	7230	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	723	"	"	"	04/20/06 13:18	"	
Chromium	"	**34500**	-----	723	"	"	"	04/20/06 13:18	"	
Lead	"	**27300**	-----	723	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	443	"	"	6D2704	04/27/06 12:16	05/01/06 11:38	
Selenium	EPA 6020	ND	-----	723	"	"	6D2004	04/20/06 13:18	04/21/06 23:47	
Silver	"	ND	-----	723	"	"	"	04/20/06 13:18	"	
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Arsenic	EPA 6020	**3140**	-----	529	ug/kg dry	1x	6D2004	04/20/06 13:18	04/21/06 23:53	
Barium	"	**59900**	-----	5290	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	529	"	"	"	04/20/06 13:18	"	
Chromium	"	**29500**	-----	529	"	"	"	04/20/06 13:18	"	
Lead	"	**2210**	-----	529	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	394	"	"	6D2704	04/27/06 12:16	05/01/06 11:40	
Selenium	EPA 6020	ND	-----	529	"	"	6D2004	04/20/06 13:18	04/21/06 23:53	
Silver	"	ND	-----	529	"	"	"	04/20/06 13:18	"	
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Arsenic	EPA 6020	**4220**	-----	637	ug/kg dry	1x	6D2004	04/20/06 13:18	04/21/06 23:59	
Barium	"	**96500**	-----	6370	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	637	"	"	"	04/20/06 13:18	"	
Chromium	"	**39200**	-----	637	"	"	"	04/20/06 13:18	"	
Lead	"	**23700**	-----	637	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	470	"	"	6D2704	04/27/06 12:16	05/01/06 11:43	
Selenium	EPA 6020	ND	-----	637	"	"	6D2004	04/20/06 13:18	04/21/06 23:59	
Silver	"	ND	-----	637	"	"	"	04/20/06 13:18	"	
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Arsenic	EPA 6020	**3420**	-----	646	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:05	
Barium	"	**92600**	-----	6460	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	646	"	"	"	04/20/06 13:18	"	
Chromium	"	**34400**	-----	646	"	"	"	04/20/06 13:18	"	
Lead	"	**17100**	-----	646	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	436	"	"	6D2704	04/27/06 12:16	05/01/06 11:46	
Selenium	EPA 6020	ND	-----	646	"	"	6D2004	04/20/06 13:18	04/22/06 00:05	
Silver	"	ND	-----	646	"	"	"	04/20/06 13:18	"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Arsenic	EPA 6020	**2240**	-----	558	ug/kg dry	1x	6D2004	04/20/06 13:18	04/22/06 00:10	
Barium	"	**60300**	-----	5580	"	"	"	04/20/06 13:18	"	
Cadmium	"	ND	-----	558	"	"	"	04/20/06 13:18	"	
Chromium	"	**33900**	-----	558	"	"	"	04/20/06 13:18	"	
Lead	"	**2380**	-----	558	"	"	"	04/20/06 13:18	"	
Mercury	EPA 7471A	ND	-----	429	"	"	6D2704	04/27/06 12:16	05/01/06 11:48	
Selenium	EPA 6020	ND	-----	558	"	"	6D2004	04/20/06 13:18	04/22/06 00:10	
Silver	"	ND	-----	558	"	"	"	04/20/06 13:18	"	

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						**A-01**
Acetone	EPA 8260B	**212**	-----	30.2	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 12:47	
Benzene	"	ND	-----	1.51	"	"	"	04/24/06 08:56	"	
Bromobenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Bromochloromethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Bromodichloromethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Bromoform	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Bromomethane	"	ND	-----	10.1	"	"	"	04/24/06 08:56	"	
2-Butanone	"	**56.1**	-----	15.1	"	"	"	04/24/06 08:56	"	
n-Butylbenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
sec-Butylbenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
tert-Butylbenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Carbon disulfide	"	ND	-----	3.02	"	"	"	04/24/06 08:56	"	
Carbon tetrachloride	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Chlorobenzene	"	ND	-----	2.02	"	"	"	04/24/06 08:56	"	
Chloroethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Chloroform	"	ND	-----	2.52	"	"	"	04/24/06 08:56	"	
Chloromethane	"	ND	-----	10.1	"	"	"	04/24/06 08:56	"	**Q-41**
2-Chlorotoluene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
4-Chlorotoluene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Dibromochloromethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	10.1	"	"	"	04/24/06 08:56	"	
1,2-Dibromoethane (EDB)	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Dibromomethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,2-Dichlorobenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,3-Dichlorobenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,4-Dichlorobenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Dichlorodifluoromethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	**Q-41**
1,1-Dichloroethane	"	ND	-----	2.02	"	"	"	04/24/06 08:56	"	
1,2-Dichloroethane	"	ND	-----	1.26	"	"	"	04/24/06 08:56	"	
1,1-Dichloroethene	"	ND	-----	3.02	"	"	"	04/24/06 08:56	"	
cis-1,2-Dichloroethene	"	ND	-----	3.02	"	"	"	04/24/06 08:56	"	
trans-1,2-Dichloroethene	"	ND	-----	2.52	"	"	"	04/24/06 08:56	"	
1,2-Dichloropropane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,3-Dichloropropane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
2,2-Dichloropropane	"	ND	-----	10.1	"	"	"	04/24/06 08:56	"	
1,1-Dichloropropene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
cis-1,3-Dichloropropene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
trans-1,3-Dichloropropene	"	ND	-----	1.26	"	"	"	04/24/06 08:56	"	
Ethylbenzene	"	ND	-----	4.03	"	"	"	04/24/06 08:56	"	
Hexachlorobutadiene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						**A-01**
Methyl tert-butyl ether	EPA 8260B	ND	-----	1.01	ug/kg dry	1x	6D2401	04/24/06 08:56	04/24/06 12:47	
2-Hexanone	"	ND	-----	20.2	"	"	"	04/24/06 08:56	"	
Isopropylbenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
p-Isopropyltoluene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
4-Methyl-2-pentanone	"	ND	-----	20.2	"	"	"	04/24/06 08:56	"	
Methylene chloride	"	ND	-----	3.53	"	"	"	04/24/06 08:56	"	
Naphthalene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
n-Propylbenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Styrene	"	ND	-----	1.01	"	"	"	04/24/06 08:56	"	
1,2,3-Trichlorobenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,2,4-Trichlorobenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Tetrachloroethene	"	ND	-----	2.02	"	"	"	04/24/06 08:56	"	
Toluene	"	ND	-----	1.51	"	"	"	04/24/06 08:56	"	
1,1,1-Trichloroethane	"	ND	-----	2.52	"	"	"	04/24/06 08:56	"	
1,1,2-Trichloroethane	"	ND	-----	1.26	"	"	"	04/24/06 08:56	"	
Trichloroethene	"	ND	-----	2.52	"	"	"	04/24/06 08:56	"	
Trichlorofluoromethane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,2,3-Trichloropropane	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
1,2,4-Trimethylbenzene	"	**5.61**	-----	5.04	"	"	"	04/24/06 08:56	"	
1,3,5-Trimethylbenzene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Vinyl chloride	"	ND	-----	2.52	"	"	"	04/24/06 08:56	"	
o-Xylene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
m,p-Xylene	"	ND	-----	5.04	"	"	"	04/24/06 08:56	"	
Total Xylenes	"	ND	-----	10.1	"	"	"	04/24/06 08:56	"	
Surrogate(s):	*1,2-DCA-d4*	*101%*		*60 - 140 %*	"				"	
	Toluene-d8	*110%*		*60 - 140 %*	"				"	
	4-BFB	*113%*		*60 - 140 %*	"				"	

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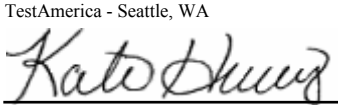

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Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Acetone	EPA 8260B	ND	-----	29.4	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 19:33	
Benzene	"	**4.59**	-----	1.47	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	9.79	"	"	"	04/21/06 09:00	"	
2-Butanone	"	ND	-----	14.7	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	2.94	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	1.96	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.45	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	9.79	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.79	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	1.96	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.22	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	2.94	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	**42.3**	-----	2.94	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.45	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	9.79	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.22	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	3.92	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.979	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 19:33	
2-Hexanone	"	ND	-----	19.6	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	19.6	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	3.43	"	"	"	04/21/06 09:00	"	
Naphthalene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	0.979	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	1.96	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.47	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.45	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.22	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	**616**	-----	2.45	"	"	"	04/21/06 09:00	"	**E-01**
Trichlorofluoromethane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.45	"	"	"	04/21/06 09:00	"	
o-Xylene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	4.89	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	9.79	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*100%*			*60 - 140 %*	"			"	
Toluene-d8		*103%*			*60 - 140 %*	"			"	
4-BFB		*97.7%*			*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Acetone	EPA 8260B	**47.9**	-----	28.4	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 12:47	
Benzene	"	ND	-----	1.42	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	9.48	"	"	"	04/21/06 09:00	"	
2-Butanone	"	ND	-----	14.2	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	**7.21**	-----	4.74	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	**16.4**	-----	4.74	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	2.84	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	1.90	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.37	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	9.48	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.48	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	1.90	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.19	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	2.84	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	ND	-----	2.84	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.37	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	9.48	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.19	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	3.79	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.948	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 12:47	
2-Hexanone	"	ND	-----	19.0	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	**5.19**	-----	4.74	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	**18.3**	-----	4.74	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	19.0	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	3.32	"	"	"	04/21/06 09:00	"	
Naphthalene	"	**7.13**	-----	4.74	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	**5.29**	-----	4.74	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	0.948	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	1.90	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.42	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.37	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.19	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	ND	-----	2.37	"	"	"	04/21/06 09:00	"	
Trichlorofluoromethane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	**21.4**	-----	4.74	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.37	"	"	"	04/21/06 09:00	"	
o-Xylene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	4.74	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	9.48	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*98.4%*			*60 - 140 %*	"			"	
Toluene-d8		*108%*			*60 - 140 %*	"			"	
4-BFB		*114%*			*60 - 140 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Acetone	EPA 8260B	**55.3**	-----	24.1	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 13:11	
Benzene	"	ND	-----	1.21	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	8.04	"	"	"	04/21/06 09:00	"	
2-Butanone	"	**14.5**	-----	12.1	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	**7.58**	-----	4.02	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	**14.8**	-----	4.02	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	2.41	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	1.61	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.01	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	8.04	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	8.04	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	1.61	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.01	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	2.41	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	ND	-----	2.41	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.01	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	8.04	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.01	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	3.22	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.804	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 13:11	
2-Hexanone	"	ND	-----	16.1	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	**5.10**	-----	4.02	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	**17.3**	-----	4.02	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	16.1	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	2.81	"	"	"	04/21/06 09:00	"	
Naphthalene	"	**8.15**	-----	4.02	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	**5.38**	-----	4.02	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	0.804	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	1.61	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.21	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.01	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.01	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	ND	-----	2.01	"	"	"	04/21/06 09:00	"	
Trichlorofluoromethane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	**22.4**	-----	4.02	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	**4.29**	-----	4.02	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.01	"	"	"	04/21/06 09:00	"	
o-Xylene	"	**4.50**	-----	4.02	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	4.02	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	8.04	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*104%*		*60 - 140 %*	"				"	
Toluene-d8		*112%*		*60 - 140 %*	"				"	
4-BFB		*123%*		*60 - 140 %*	"				"	

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BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Acetone	EPA 8260B	ND	-----	29.1	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 13:35	
Benzene	"	ND	-----	1.45	"	"	"	04/21/06 09:00	"	
Bromobenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Bromochloromethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Bromodichloromethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Bromoform	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Bromomethane	"	ND	-----	9.69	"	"	"	04/21/06 09:00	"	
2-Butanone	"	ND	-----	14.5	"	"	"	04/21/06 09:00	"	
n-Butylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
sec-Butylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
tert-Butylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Carbon disulfide	"	ND	-----	2.91	"	"	"	04/21/06 09:00	"	**BS-1**
Carbon tetrachloride	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Chlorobenzene	"	ND	-----	1.94	"	"	"	04/21/06 09:00	"	
Chloroethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Chloroform	"	ND	-----	2.42	"	"	"	04/21/06 09:00	"	
Chloromethane	"	ND	-----	9.69	"	"	"	04/21/06 09:00	"	
2-Chlorotoluene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
4-Chlorotoluene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Dibromochloromethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	9.69	"	"	"	04/21/06 09:00	"	
1,2-Dibromoethane (EDB)	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Dibromomethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,2-Dichlorobenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,3-Dichlorobenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,4-Dichlorobenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Dichlorodifluoromethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethane	"	ND	-----	1.94	"	"	"	04/21/06 09:00	"	
1,2-Dichloroethane	"	ND	-----	1.21	"	"	"	04/21/06 09:00	"	
1,1-Dichloroethene	"	ND	-----	2.91	"	"	"	04/21/06 09:00	"	
cis-1,2-Dichloroethene	"	ND	-----	2.91	"	"	"	04/21/06 09:00	"	
trans-1,2-Dichloroethene	"	ND	-----	2.42	"	"	"	04/21/06 09:00	"	
1,2-Dichloropropane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,3-Dichloropropane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
2,2-Dichloropropane	"	ND	-----	9.69	"	"	"	04/21/06 09:00	"	
1,1-Dichloropropene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
cis-1,3-Dichloropropene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
trans-1,3-Dichloropropene	"	ND	-----	1.21	"	"	"	04/21/06 09:00	"	
Ethylbenzene	"	ND	-----	3.88	"	"	"	04/21/06 09:00	"	
Hexachlorobutadiene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Methyl tert-butyl ether	EPA 8260B	ND	-----	0.969	ug/kg dry	1x	6D2004	04/21/06 09:00	04/21/06 13:35	
2-Hexanone	"	ND	-----	19.4	"	"	"	04/21/06 09:00	"	
Isopropylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
p-Isopropyltoluene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
4-Methyl-2-pentanone	"	ND	-----	19.4	"	"	"	04/21/06 09:00	"	
Methylene chloride	"	ND	-----	3.39	"	"	"	04/21/06 09:00	"	
Naphthalene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
n-Propylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Styrene	"	ND	-----	0.969	"	"	"	04/21/06 09:00	"	
1,2,3-Trichlorobenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Tetrachloroethene	"	ND	-----	1.94	"	"	"	04/21/06 09:00	"	
Toluene	"	ND	-----	1.45	"	"	"	04/21/06 09:00	"	
1,1,1-Trichloroethane	"	ND	-----	2.42	"	"	"	04/21/06 09:00	"	
1,1,2-Trichloroethane	"	ND	-----	1.21	"	"	"	04/21/06 09:00	"	
Trichloroethene	"	ND	-----	2.42	"	"	"	04/21/06 09:00	"	
Trichlorofluoromethane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,2,3-Trichloropropane	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,2,4-Trimethylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
1,3,5-Trimethylbenzene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Vinyl chloride	"	ND	-----	2.42	"	"	"	04/21/06 09:00	"	
o-Xylene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
m,p-Xylene	"	ND	-----	4.84	"	"	"	04/21/06 09:00	"	
Total Xylenes	"	ND	-----	9.69	"	"	"	04/21/06 09:00	"	
Surrogate(s): *1,2-DCA-d4*		*101%*			*60 - 140 %*	"			"	
Toluene-d8		*102%*			*60 - 140 %*	"			"	
4-BFB		*99.5%*			*60 - 140 %*	"			"	

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BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Trichloroethene	EPA 8260B	**5400**	-----	95.5	ug/kg dry	1x	6D2602	04/26/06 08:20	04/26/06 16:18	
Surrogate(s): 1,2-DCA-d4		*89.0%*			*70 - 130 %*	"			"	
Toluene-d8		*99.0%*			*70 - 130 %*	"			"	
4-BFB		*98.4%*			*70 - 130 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						
Acenaphthene	EPA 8270C	ND	-----	451	ug/kg dry	1x	6D2105	04/21/06 13:37	04/25/06 17:22	
Acenaphthylene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1370	"	"	"	04/21/06 13:37	"	**Q-40**
Benzyl alcohol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	6830	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	683	"	"	"	04/21/06 13:37	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	683	ug/kg dry	1x	6D2105	04/21/06 13:37	04/25/06 17:22	
N-Nitrosodiphenylamine	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
4-Nitroaniline	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	683	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	451	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*64.5%*			*27 - 126 %*	"			"	
2-FP		*70.4%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*68.0%*			*26 - 125 %*	"			"	
Phenol-d6		*68.4%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*70.2%*			*26 - 150 %*	"			"	
2,4,6-TBP		*79.6%*			*10 - 152 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Acenaphthene	EPA 8270C	ND	-----	391	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 21:45	
Acenaphthylene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1180	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5920	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	592	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	592	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 21:45	
N-Nitrosodiphenylamine	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	592	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	592	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	391	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*79.7%*		*27 - 126 %*	"				"	
2-FP		*90.4%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*86.3%*		*26 - 125 %*	"				"	
Phenol-d6		*87.8%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*87.3%*		*26 - 150 %*	"				"	
2,4,6-TBP		*85.6%*		*10 - 152 %*	"				"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						**D-14**
Acenaphthene	EPA 8270C	ND	-----	1940	ug/kg dry	5x	6D2105	04/21/06 13:37	04/25/06 16:03	
Acenaphthylene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	5870	"	"	"	04/21/06 13:37	"	**Q-40**
Benzyl alcohol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	29400	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						**D-14**
2,6-Dinitrotoluene	EPA 8270C	ND	-----	2940	ug/kg dry	5x	6D2105	04/21/06 13:37	04/25/06 16:03	
N-Nitrosodiphenylamine	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
4-Nitroaniline	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	2940	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	1940	"	"	"	04/21/06 13:37	"	
Surrogate(s):	*2-FBP*	*58.2%*		*27 - 126 %*	"				"	
	2-FP	*58.8%*		*16 - 121 %*	"				"	
	Nitrobenzene-d5	*58.2%*		*26 - 125 %*	"				"	
	Phenol-d6	*56.3%*		*10 - 120 %*	"				"	
	p-Terphenyl-d14	*61.7%*		*26 - 150 %*	"				"	
	2,4,6-TBP	*89.5%*		*10 - 152 %*	"				"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						**D-14**
Acenaphthene	EPA 8270C	ND	-----	1920	ug/kg dry	5x	6D2105	04/21/06 13:37	04/25/06 16:36	
Acenaphthylene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	5810	"	"	"	04/21/06 13:37	"	**Q-40**
Benzyl alcohol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	29100	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						**D-14**
2,6-Dinitrotoluene	EPA 8270C	ND	-----	2910	ug/kg dry	5x	6D2105	04/21/06 13:37	04/25/06 16:36	
N-Nitrosodiphenylamine	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
4-Nitroaniline	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	2910	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	1920	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*74.2%*			*27 - 126 %*	"			"	
2-FP		*71.9%*			*16 - 121 %*	"			"	
Nitrobenzene-d5		*73.2%*			*26 - 125 %*	"			"	
Phenol-d6		*68.3%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*76.3%*			*26 - 150 %*	"			"	
2,4,6-TBP		*103%*			*10 - 152 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Acenaphthene	EPA 8270C	ND	-----	362	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 22:17	
Acenaphthylene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Aniline	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Anthracene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Benzo (a) anthracene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Benzo (a) pyrene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Benzo (b) fluoranthene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Benzo (k) fluoranthene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Benzo (ghi) perylene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Benzoic Acid	"	ND	-----	1100	"	"	"	04/21/06 13:37	"	
Benzyl alcohol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethoxy)methane	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Bis(2-chloroethyl)ether	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
4-Bromophenyl phenyl ether	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Butyl benzyl phthalate	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Carbazole	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
4-Chloroaniline	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
4-Chloro-3-methylphenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2-Chloronaphthalene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2-Chlorophenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
4-Chlorophenyl phenyl ether	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2-Methylphenol (o-Cresol)	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Chrysene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Di-n-butyl phthalate	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Dibenz (a,h) anthracene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Dibenzofuran	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
1,2-Dichlorobenzene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
1,3-Dichlorobenzene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
1,4-Dichlorobenzene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
3,3´-Dichlorobenzidine	"	ND	-----	5490	"	"	"	04/21/06 13:37	"	
2,4-Dichlorophenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Diethyl phthalate	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2,4-Dimethylphenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Dimethyl phthalate	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
2,4-Dinitrophenol	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
2,4-Dinitrotoluene	"	ND	-----	549	"	"	"	04/21/06 13:37	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
2,6-Dinitrotoluene	EPA 8270C	ND	-----	549	ug/kg dry	1x	6D2105	04/21/06 13:37	04/23/06 22:17	
N-Nitrosodiphenylamine	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Fluoranthene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Fluorene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Hexachlorobenzene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Hexachlorobutadiene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Hexachlorocyclopentadiene	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
Hexachloroethane	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Isophorone	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
1-Methylnaphthalene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2-Methylnaphthalene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Naphthalene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2-Nitroaniline	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
3-Nitroaniline	"	ND	-----	549	"	"	"	04/21/06 13:37	"	**Q-40**
4-Nitroaniline	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
Nitrobenzene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2-Nitrophenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
4-Nitrophenol	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
N-Nitrosodi-n-propylamine	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Di-n-octyl phthalate	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Pentachlorophenol	"	ND	-----	549	"	"	"	04/21/06 13:37	"	
Phenanthrene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Phenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Pyrene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
1,2,4-Trichlorobenzene	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2,4,5-Trichlorophenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
2,4,6-Trichlorophenol	"	ND	-----	362	"	"	"	04/21/06 13:37	"	
Surrogate(s): *2-FBP*		*80.9%*		*27 - 126 %*	"				"	
2-FP		*91.8%*		*16 - 121 %*	"				"	
Nitrobenzene-d5		*88.0%*		*26 - 125 %*	"				"	
Phenol-d6		*88.0%*		*10 - 120 %*	"				"	
p-Terphenyl-d14		*86.9%*		*26 - 150 %*	"				"	
2,4,6-TBP		*79.2%*		*10 - 152 %*	"				"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0443-01 (B05-1.5)		**Soil**		**Sampled: 04/19/06 08:55**						
Dry Weight	BSOPSPL003R 08	**74.4**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0443-02 (B05-22.5)		**Soil**		**Sampled: 04/19/06 10:10**						
Dry Weight	BSOPSPL003R 08	**83.6**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0443-03 (B06-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Dry Weight	BSOPSPL003R 08	**86.3**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0443-04 (B99-2)		**Soil**		**Sampled: 04/19/06 12:15**						
Dry Weight	BSOPSPL003R 08	**86.0**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	
BPD0443-05 (B06-21.5)		**Soil**		**Sampled: 04/19/06 13:16**						
Dry Weight	BSOPSPL003R 08	**89.6**	-----	1.00	%	1x	6D2705	04/27/06 13:59	04/28/06 00:00	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21027 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21027-BLK1)								**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5000	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 11:27	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.3%*			*Limits: 50-150%*	"							*04/21/06 11:27*	
LCS (6D21027-BS1)								**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	51000	---	5000	ug/kg wet	1x	--	50000	102%	(75-125)	--	--	04/21/06 11:56	
Surrogate(s): 4-BFB (FID)		*Recovery: 107%*			*Limits: 50-150%*	"							*04/21/06 11:56*	
Duplicate (6D21027-DUP1)					**QC Source: BPD0443-01**			**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	56800	---	6260	ug/kg dry	1x	57300	--	--	--	0.876	(40)	04/21/06 16:07	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 99.7%*			*Limits: 50-150%*	"							*04/21/06 16:07*	
Duplicate (6D21027-DUP2)					**QC Source: BPD0443-02**			**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4780	ug/kg dry	1x	ND	--	--	--	3.86%	(40)	04/21/06 15:37	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.5%*			*Limits: 50-150%*	"							*04/21/06 15:37*	
Matrix Spike (6D21027-MS1)					**QC Source: BPD0443-01**			**Extracted: 04/21/06 09:39**						
Gasoline Range Hydrocarbons	NWTPH-Gx	184000	---	6260	ug/kg dry	1x	57300	62600	202%	(42-125)	--	--	04/21/06 18:05	MS-3
Surrogate(s): 4-BFB (FID)		*Recovery: 127%*			*Limits: 50-150%*	"							*04/21/06 18:05*	

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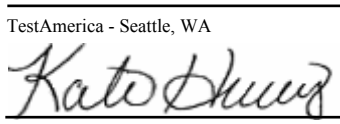

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21059 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21059-BLK1)							**Extracted: 04/21/06 13:39**							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10000	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 13:14	
Lube Oil Range Hydrocarbons	"	ND	---	25000	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 99.5%*			*Limits: 50-150%*	"							*04/27/06 13:14*	
Octacosane		*100%*			*50-150%*	"							"	
LCS (6D21059-BS1)							**Extracted: 04/21/06 13:39**							
Diesel Range Hydrocarbons	NWTPH-Dx	69700	---	10000	ug/kg wet	1x	--	66700	104%	(71-120)	--	--	04/28/06 18:10	
Lube Oil Range Hydrocarbons	"	70500	---	25000	"	"	--	"	106%	(60-140)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 88.4%*			*Limits: 50-150%*	"							*04/28/06 18:10*	
Octacosane		*93.6%*			*50-150%*	"							"	
Duplicate (6D21059-DUP1)					**QC Source: BPD0447-05**		**Extracted: 04/21/06 13:39**							
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	12600	ug/kg dry	1x	ND	--	--	--		(40)	04/27/06 13:58	
Lube Oil Range Hydrocarbons	"	ND	---	31400	"	"	ND	--	--	--	23.7%	"	"	
Surrogate(s): 2-FBP		*Recovery: 87.2%*			*Limits: 50-150%*	"							*04/27/06 13:58*	
Octacosane		*93.6%*			*50-150%*	"							"	
Duplicate (6D21059-DUP2)					**QC Source: BPD0443-03**		**Extracted: 04/21/06 13:39**							
Diesel Range Hydrocarbons	NWTPH-Dx	672000	---	57900	ug/kg dry	5x	897000	--	--	--	28.7%	(40)	04/27/06 15:38	
Lube Oil Range Hydrocarbons	"	1030000	---	145000	"	"	1390000	--	--	--	29.8%	"	"	
Surrogate(s): 2-FBP		*Recovery: 126%*			*Limits: 50-150%*	"							*04/27/06 15:38*	
Octacosane		*87.8%*			*50-150%*	"							"	
Matrix Spike (6D21059-MS1)					**QC Source: BPD0447-05**		**Extracted: 04/21/06 13:39**							
Diesel Range Hydrocarbons	NWTPH-Dx	101000	---	12500	ug/kg dry	1x	ND	83200	121%	(45-144)	--	--	04/27/06 15:53	
Lube Oil Range Hydrocarbons	"	104000	---	31200	"	"	8170	"	115%	(50-150)	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 105%*			*Limits: 50-150%*	"							*04/27/06 15:53*	
Octacosane		*109%*			*50-150%*	"							"	

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2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 6D20043 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20043-BLK1)								**Extracted: 04/20/06 13:18**						
Cadmium	EPA 6020	ND	---	500	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 22:32	
Chromium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Barium	"	ND	---	5000	"	"	--	--	--	--	--	--	"	
LCS (6D20043-BS1)								**Extracted: 04/20/06 13:18**						
Silver	EPA 6020	40200	---	500	ug/kg wet	1x	--	40000	100%	(80-120)	--	--	04/21/06 22:38	
Chromium	"	40400	---	500	"	"	--	"	101%	"	--	--	"	
Cadmium	"	41200	---	500	"	"	--	"	103%	"	--	--	"	
Selenium	"	40000	---	500	"	"	--	"	100%	"	--	--	"	
Barium	"	41200	---	5000	"	"	--	"	103%	"	--	--	"	
Arsenic	"	40800	---	500	"	"	--	"	102%	"	--	--	"	
Lead	"	40900	---	500	"	"	--	"	102%	"	--	--	"	
Duplicate (6D20043-DUP1)							**QC Source: BPD0443-05**							
													Extracted: 04/20/06 13:18	
Silver	EPA 6020	ND	---	558	ug/kg dry	1x	ND	--	--	--	74.9%	(50)	04/21/06 22:55	DP-1
Lead	"	2410	---	558	"	"	2380	--	--	--	1.25%	(30)	"	
Chromium	"	36100	---	558	"	"	33900	--	--	--	6.29%	"	"	
Selenium	"	ND	---	558	"	"	ND	--	--	--	NR	"	"	
Cadmium	"	ND	---	558	"	"	ND	--	--	--	25.2%	"	"	
Barium	"	63500	---	5580	"	"	60300	--	--	--	5.17%	"	"	
Arsenic	"	2230	---	558	"	"	2240	--	--	--	0.447	"	"	
Matrix Spike (6D20043-MS1)							**QC Source: BPD0443-05**							
													Extracted: 04/20/06 13:18	
Selenium	EPA 6020	43800	---	558	ug/kg dry	1x	ND	44600	98.2%	(61-120)	--	--	04/21/06 22:50	
Lead	"	47800	---	558	"	"	2380	"	102%	(29-166)	--	--	"	
Barium	"	109000	---	5580	"	"	60300	"	109%	(20-160)	--	--	"	
Arsenic	"	46600	---	558	"	"	2240	"	99.5%	(57-125)	--	--	"	
Silver	"	44100	---	558	"	"	83.7	"	98.7%	(54-126)	--	--	"	
Chromium	"	79800	---	558	"	"	33900	"	103%	(30-163)	--	--	"	
Cadmium	"	45800	---	558	"	"	156	"	102%	(80-120)	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20043 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Post Spike (6D20043-PS1)					**QC Source: BPD0443-05**				**Extracted: 04/20/06 13:18**					
Arsenic	EPA 6020	0.107	---		ug/ml	1x	0.00401	0.100	103%	(75-125)	--	--	04/21/06 22:44	
Lead	"	0.101	---		"	"	0.00426	"	96.7%	"	--	--	"	
Selenium	"	0.0971	---		"	"	0.0000800	"	97.0%	"	--	--	"	
Chromium	"	0.157	---		"	"	0.0608	"	96.2%	"	--	--	"	
Silver	"	0.0972	---		"	"	0.000150	"	97.0%	"	--	--	"	
Barium	"	0.208	---		"	"	0.108	"	100%	"	--	--	"	
Cadmium	"	0.0986	---		"	"	0.000280	"	98.3%	"	--	--	"	

QC Batch: 6D27044 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27044-BLK1)									**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	ND	---	400	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 13:00	
LCS (6D27044-BS1)									**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	750	---	400	ug/kg wet	1x	--	667	112%	(80-120)	--	--	04/27/06 13:03	
Matrix Spike (6D27044-MS1)					**QC Source: BPD0557-01**				**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	988	---	473	ug/kg dry	1x	ND	789	125%	(70-130)	--	--	04/27/06 13:05	
Matrix Spike Dup (6D27044-MSD1)					**QC Source: BPD0557-01**				**Extracted: 04/27/06 12:16**					
Mercury	EPA 7471A	932	---	473	ug/kg dry	1x	ND	789	118%	(70-130)	5.83%	(30)	04/27/06 13:08	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20042-BLK1)									**Extracted: 04/21/06 09:00**					
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 10:47	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D20042-BLK1)							**Extracted: 04/21/06 09:00**							
Hexachlorobutadiene	EPA 8260B	ND	---	5.00	ug/kg wet	1x	--	--	--	--	--	--	04/21/06 10:47	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 60-140%*	"							*04/21/06 10:47*	
Toluene-d8		*100%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D20042 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D20042-BS1)							**Extracted: 04/21/06 09:00**							
Acetone	EPA 8260B	319	---	30.0	ug/kg wet	1x	--	400	79.8%	(70-130)	--	--	04/21/06 09:11	
Benzene	"	39.8	---	1.50	"	"	--	40.0	99.5%	"	--	--	"	
2-Butanone	"	342	---	15.0	"	"	--	400	85.5%	"	--	--	"	
Carbon disulfide	"	57.2	---	3.00	"	"	--	40.0	143%	"	--	--	"	BS-1
Chlorobenzene	"	40.1	---	2.00	"	"	--	"	100%	"	--	--	"	
1,1-Dichloroethane	"	42.0	---	2.00	"	"	--	"	105%	"	--	--	"	
1,1-Dichloroethene	"	43.7	---	3.00	"	"	--	"	109%	"	--	--	"	
cis-1,2-Dichloroethene	"	42.2	---	3.00	"	"	--	"	106%	"	--	--	"	
Ethylbenzene	"	41.0	---	4.00	"	"	--	"	102%	"	--	--	"	
Hexachlorobutadiene	"	42.6	---	5.00	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	342	---	20.0	"	"	--	400	85.5%	"	--	--	"	
Tetrachloroethene	"	42.8	---	2.00	"	"	--	40.0	107%	"	--	--	"	
Toluene	"	41.0	---	1.50	"	"	--	"	102%	"	--	--	"	
1,1,1-Trichloroethane	"	44.4	---	2.50	"	"	--	"	111%	"	--	--	"	
Trichloroethene	"	42.0	---	2.50	"	"	--	"	105%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 95.5%*			*Limits: 60-140%*	"							*04/21/06 09:11*	
Toluene-d8		*105%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	
LCS Dup (6D20042-BSD1)							**Extracted: 04/21/06 09:00**							
Acetone	EPA 8260B	354	---	30.0	ug/kg wet	1x	--	400	88.5%	(70-130)	10.4%	(30)	04/21/06 09:36	
Benzene	"	39.7	---	1.50	"	"	--	40.0	99.2%	"	0.252	"	"	
2-Butanone	"	390	---	15.0	"	"	--	400	97.5%	"	13.1%	"	"	
Carbon disulfide	"	54.9	---	3.00	"	"	--	40.0	137%	"	4.10%	"	"	BS-1
Chlorobenzene	"	39.7	---	2.00	"	"	--	"	99.2%	"	1.00%	"	"	
1,1-Dichloroethane	"	40.9	---	2.00	"	"	--	"	102%	"	2.65%	"	"	
1,1-Dichloroethene	"	41.2	---	3.00	"	"	--	"	103%	"	5.89%	"	"	
cis-1,2-Dichloroethene	"	41.3	---	3.00	"	"	--	"	103%	"	2.16%	"	"	
Ethylbenzene	"	40.4	---	4.00	"	"	--	"	101%	"	1.47%	"	"	
Hexachlorobutadiene	"	40.6	---	5.00	"	"	--	"	102%	"	4.81%	"	"	
4-Methyl-2-pentanone	"	397	---	20.0	"	"	--	400	99.2%	"	14.9%	"	"	
Tetrachloroethene	"	40.4	---	2.00	"	"	--	40.0	101%	"	5.77%	"	"	
Toluene	"	40.2	---	1.50	"	"	--	"	100%	"	1.97%	"	"	
1,1,1-Trichloroethane	"	41.9	---	2.50	"	"	--	"	105%	"	5.79%	"	"	
Trichloroethene	"	41.0	---	2.50	"	"	--	"	102%	"	2.41%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.2%*			*Limits: 60-140%*	"							*04/21/06 09:36*	
Toluene-d8		*102%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D24015-BLK1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	ND	---	30.0	ug/kg wet	1x	--	--	--	--	--	--	04/24/06 10:48	
Benzene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	15.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	Q-41
2-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	Q-41
1,1-Dichloroethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	4.00	"	"	--	--	--	--	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D24015-BLK1)							**Extracted: 04/24/06 08:56**							
Hexachlorobutadiene	EPA 8260B	ND	---	5.00	ug/kg wet	1x	--	--	--	--	--	--	04/24/06 10:48	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	3.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.25	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	2.50	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.2%*			*Limits: 60-140%*	"							*04/24/06 10:48*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D24015 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D24015-BS1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	407	---	30.0	ug/kg wet	1x	--	400	102%	(70-130)	--	--	04/24/06 09:12	
Benzene	"	41.2	---	1.50	"	"	--	40.0	103%	"	--	--	"	
2-Butanone	"	443	---	15.0	"	"	--	400	111%	"	--	--	"	
Carbon disulfide	"	48.7	---	3.00	"	"	--	40.0	122%	"	--	--	"	
Chlorobenzene	"	39.6	---	2.00	"	"	--	"	99.0%	"	--	--	"	
1,1-Dichloroethane	"	43.9	---	2.00	"	"	--	"	110%	"	--	--	"	
1,1-Dichloroethene	"	44.4	---	3.00	"	"	--	"	111%	"	--	--	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	108%	"	--	--	"	
Ethylbenzene	"	40.4	---	4.00	"	"	--	"	101%	"	--	--	"	
Hexachlorobutadiene	"	42.4	---	5.00	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	432	---	20.0	"	"	--	400	108%	"	--	--	"	
Tetrachloroethene	"	39.5	---	2.00	"	"	--	40.0	98.8%	"	--	--	"	
Toluene	"	40.6	---	1.50	"	"	--	"	102%	"	--	--	"	
1,1,1-Trichloroethane	"	43.1	---	2.50	"	"	--	"	108%	"	--	--	"	
Trichloroethene	"	41.8	---	2.50	"	"	--	"	104%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.0%*			*Limits: 60-140%*	"							*04/24/06 09:12*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*98.2%*			*60-140%*	"							"	
LCS Dup (6D24015-BSD1)								**Extracted: 04/24/06 08:56**						
Acetone	EPA 8260B	435	---	30.0	ug/kg wet	1x	--	400	109%	(70-130)	6.65%	(30)	04/24/06 09:36	
Benzene	"	41.7	---	1.50	"	"	--	40.0	104%	"	1.21%	"	"	
2-Butanone	"	473	---	15.0	"	"	--	400	118%	"	6.55%	"	"	
Carbon disulfide	"	49.2	---	3.00	"	"	--	40.0	123%	"	1.02%	"	"	
Chlorobenzene	"	40.3	---	2.00	"	"	--	"	101%	"	1.75%	"	"	
1,1-Dichloroethane	"	43.6	---	2.00	"	"	--	"	109%	"	0.686	"	"	
1,1-Dichloroethene	"	44.7	---	3.00	"	"	--	"	112%	"	0.673	"	"	
cis-1,2-Dichloroethene	"	43.4	---	3.00	"	"	--	"	108%	"	0.00%	"	"	
Ethylbenzene	"	40.9	---	4.00	"	"	--	"	102%	"	1.23%	"	"	
Hexachlorobutadiene	"	41.9	---	5.00	"	"	--	"	105%	"	1.19%	"	"	
4-Methyl-2-pentanone	"	452	---	20.0	"	"	--	400	113%	"	4.52%	"	"	
Tetrachloroethene	"	41.4	---	2.00	"	"	--	40.0	104%	"	4.70%	"	"	
Toluene	"	41.9	---	1.50	"	"	--	"	105%	"	3.15%	"	"	
1,1,1-Trichloroethane	"	43.6	---	2.50	"	"	--	"	109%	"	1.15%	"	"	
Trichloroethene	"	42.0	---	2.50	"	"	--	"	105%	"	0.477	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 100%*			*Limits: 60-140%*	"							*04/24/06 09:36*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*99.5%*			*60-140%*	"							"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)									**Extracted: 04/26/06 08:20**					
Acetone	EPA 8260B	ND	---	1000	ug/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Benzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)							**Extracted: 04/26/06 08:20**							
Hexachlorobutadiene	EPA 8260B	ND	---	100	ug/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Methyl tert-butyl ether	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/26/06 12:02*	
Toluene-d8		*111%*			*70-130%*	"							"	
4-BFB		*108%*			*70-130%*	"							"	

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Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK2)								**Extracted: 04/26/06 08:20**						
Acetone	EPA 8260B	ND	---	1000	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Benzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK2)							**Extracted: 04/26/06 08:20**							
Hexachlorobutadiene	EPA 8260B	ND	---	100	ug/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Methyl tert-butyl ether	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/27/06 11:43*	
Toluene-d8		*112%*			*70-130%*	"							"	
4-BFB		*110%*			*70-130%*	"							"	

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Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D26027-BS1)								**Extracted: 04/26/06 08:20**						
Benzene	EPA 8260B	1860	---	100	ug/kg wet	1x	--	2000	93.0%	(75-130)	--	--	04/26/06 09:26	
Chlorobenzene	"	1870	---	100	"	"	--	"	93.5%	(77-124)	--	--	"	
1,1-Dichloroethene	"	2040	---	100	"	"	--	"	102%	(74-133)	--	--	"	
Trichloroethene	"	1920	---	100	"	"	--	"	96.0%	(78-128)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 70-130%*	"							*04/26/06 09:26*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*98.0%*			*70-130%*	"							"	
LCS Dup (6D26027-BSD1)								**Extracted: 04/26/06 08:20**						
Benzene	EPA 8260B	1790	---	100	ug/kg wet	1x	--	2000	89.5%	(75-130)	3.84%	(20)	04/27/06 09:59	
Chlorobenzene	"	1770	---	100	"	"	--	"	88.5%	(77-124)	5.49%	"	"	
1,1-Dichloroethene	"	1760	---	100	"	"	--	"	88.0%	(74-133)	14.7%	"	"	
Trichloroethene	"	1880	---	100	"	"	--	"	94.0%	(78-128)	2.11%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 88.5%*			*Limits: 70-130%*	"							*04/27/06 09:59*	
Toluene-d8		*96.0%*			*70-130%*	"							"	
4-BFB		*99.0%*			*70-130%*	"							"	
Matrix Spike (6D26027-MS1)							**QC Source: BPD0612-01**		**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1830	---	94.4	ug/kg dry	1x	ND	1890	96.8%	(66-135)	--	--	04/26/06 09:53	
Chlorobenzene	"	1800	---	94.4	"	"	ND	"	95.2%	(63-131)	--	--	"	
1,1-Dichloroethene	"	1900	---	94.4	"	"	ND	"	101%	(64-143)	--	--	"	
Trichloroethene	"	1900	---	94.4	"	"	ND	"	101%	(66-144)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.8%*			*Limits: 70-130%*	"							*04/26/06 09:53*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*101%*			*70-130%*	"							"	
Matrix Spike Dup (6D26027-MSD1)							**QC Source: BPD0612-01**		**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1810	---	91.3	ug/kg dry	1x	ND	1830	98.9%	(66-135)	1.10%	(25)	04/26/06 10:21	
Chlorobenzene	"	1840	---	91.3	"	"	ND	"	101%	(63-131)	2.20%	"	"	
1,1-Dichloroethene	"	1940	---	91.3	"	"	ND	"	106%	(64-143)	2.08%	"	"	
Trichloroethene	"	1950	---	91.3	"	"	ND	"	107%	(66-144)	2.60%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 70-130%*	"							*04/26/06 10:21*	
Toluene-d8		*97.3%*			*70-130%*	"							"	
4-BFB		*99.7%*			*70-130%*	"							"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21058-BLK1)								**Extracted: 04/21/06 13:37**						
Acenaphthene	EPA 8270C	ND	---	330	ug/kg wet	1x	--	--	--	--	--	--	04/23/06 19:34	
Acenaphthylene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Aniline	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	1000	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Carbazole	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	330	"	"	--	--	--	--	--	--	"	
3 & 4-Methylphenol (m,p-Cresols)	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Methylphenol (o-Cresol)	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
3,3´-Dichlorobenzidine	"	ND	---	5000	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	

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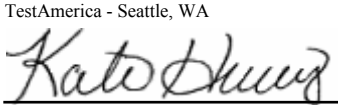

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D21058-BLK1)							**Extracted: 04/21/06 13:37**							
2,4-Dinitrotoluene	EPA 8270C	ND	---	500	ug/kg wet	1x	--	--	--	--	--	--	04/23/06 19:34	
2,6-Dinitrotoluene	"	ND	---	500	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	Q-40
4-Nitroaniline	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	500	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	330	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*2-FBP*	*Recovery: 80.2%*	*Limits: 27-126%*	"	*04/23/06 19:34*
	2-FP	*87.7%*	*16-121%*	"	"
	Nitrobenzene-d5	*83.8%*	*26-125%*	"	"
	Phenol-d6	*86.8%*	*10-120%*	"	"
	p-Terphenyl-d14	*88.6%*	*26-150%*	"	"
	2,4,6-TBP	*82.0%*	*10-152%*	"	"

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6D21058-BS1)													**Extracted: 04/21/06 13:37**	
Acenaphthene	EPA 8270C	3150	---	330	ug/kg wet	1x	--	3330	94.6%	(47-128)	--	--	04/23/06 20:06	
4-Chloro-3-methylphenol	"	3490	---	330	"	"	--	"	105%	(49-130)	--	--	"	
2-Chlorophenol	"	3070	---	330	"	"	--	"	92.2%	(51-120)	--	--	"	
1,4-Dichlorobenzene	"	2780	---	330	"	"	--	"	83.5%	"	--	--	"	
2,4-Dinitrotoluene	"	3100	---	500	"	"	--	"	93.1%	(51-135)	--	--	"	
4-Nitrophenol	"	3660	---	500	"	"	--	"	110%	(32-155)	--	--	"	
N-Nitrosodi-n-propylamine	"	2920	---	330	"	"	--	"	87.7%	(51-120)	--	--	"	
Pentachlorophenol	"	4310	---	500	"	"	--	"	129%	(46-163)	--	--	"	
Phenol	"	3050	---	330	"	"	--	"	91.6%	(50-122)	--	--	"	
Pyrene	"	3070	---	330	"	"	--	"	92.2%	(45-138)	--	--	"	
1,2,4-Trichlorobenzene	"	2940	---	330	"	"	--	"	88.3%	(47-120)	--	--	"	
2,4,5-Trichlorophenol	"	3140	---	330	"	"	--	"	94.3%	(0-200)	--	--	"	
2,4,6-Trichlorophenol	"	3350	---	330	"	"	--	"	101%	"	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.8%*			*Limits: 27-126%*	"							*04/23/06 20:06*	
2-FP		*84.4%*			*16-121%*	"							"	
Nitrobenzene-d5		*83.2%*			*26-125%*	"							"	
Phenol-d6		*87.4%*			*10-120%*	"							"	
p-Terphenyl-d14		*84.4%*			*26-150%*	"							"	
2,4,6-TBP		*89.5%*			*10-152%*	"							"	
Matrix Spike (6D21058-MS1)							**QC Source: BPD0447-06**						**Extracted: 04/21/06 13:37**	
Acenaphthene	EPA 8270C	3820	---	414	ug/kg dry	1x	ND	4180	91.4%	(47-128)	--	--	04/23/06 20:39	
4-Chloro-3-methylphenol	"	4210	---	414	"	"	ND	"	101%	(45-130)	--	--	"	
2-Chlorophenol	"	3840	---	414	"	"	ND	"	91.9%	(48-120)	--	--	"	
1,4-Dichlorobenzene	"	3500	---	414	"	"	ND	"	83.7%	(50-120)	--	--	"	
2,4-Dinitrotoluene	"	3780	---	627	"	"	ND	"	90.4%	(34-154)	--	--	"	
4-Nitrophenol	"	4440	---	627	"	"	ND	"	106%	(17-164)	--	--	"	
N-Nitrosodi-n-propylamine	"	3620	---	414	"	"	ND	"	86.6%	(49-120)	--	--	"	
Pentachlorophenol	"	5310	---	627	"	"	ND	"	127%	(22-183)	--	--	"	
Phenol	"	3810	---	414	"	"	ND	"	91.1%	(32-132)	--	--	"	
Pyrene	"	3630	---	414	"	"	ND	"	86.8%	(31-147)	--	--	"	
1,2,4-Trichlorobenzene	"	3680	---	414	"	"	ND	"	88.0%	(47-120)	--	--	"	
2,4,5-Trichlorophenol	"	3840	---	414	"	"	ND	"	91.9%	(0-200)	--	--	"	
2,4,6-Trichlorophenol	"	4110	---	414	"	"	ND	"	98.3%	"	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 80.9%*			*Limits: 27-126%*	"							*04/23/06 20:39*	
2-FP		*85.2%*			*16-121%*	"							"	
Nitrobenzene-d5		*84.7%*			*26-125%*	"							"	
Phenol-d6		*87.6%*			*10-120%*	"							"	
p-Terphenyl-d14		*80.9%*			*26-150%*	"							"	
2,4,6-TBP		*88.0%*			*10-152%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D21058 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6D21058-MSD1)					**QC Source: BPD0447-06**				**Extracted: 04/21/06 13:37**					
Acenaphthene	EPA 8270C	3700	---	412	ug/kg dry	1x	ND	4170	88.7%	(47-128)	3.19%	(24)	04/23/06 21:12	
4-Chloro-3-methylphenol	"	4160	---	412	"	"	ND	"	99.8%	(45-130)	1.19%	(23)	"	
2-Chlorophenol	"	3830	---	412	"	"	ND	"	91.8%	(48-120)	0.261	(27)	"	
1,4-Dichlorobenzene	"	3510	---	412	"	"	ND	"	84.2%	(50-120)	0.285	(34)	"	
2,4-Dinitrotoluene	"	3660	---	625	"	"	ND	"	87.8%	(34-154)	3.23%	(24)	"	
4-Nitrophenol	"	4390	---	625	"	"	ND	"	105%	(17-164)	1.13%	(31)	"	
N-Nitrosodi-n-propylamine	"	3610	---	412	"	"	ND	"	86.6%	(49-120)	0.277	"	"	
Pentachlorophenol	"	5130	---	625	"	"	ND	"	123%	(22-183)	3.45%	(26)	"	
Phenol	"	3760	---	412	"	"	ND	"	90.2%	(32-132)	1.32%	(31)	"	
Pyrene	"	3530	---	412	"	"	ND	"	84.7%	(31-147)	2.79%	(26)	"	
1,2,4-Trichlorobenzene	"	3680	---	412	"	"	ND	"	88.2%	(47-120)	0.00%	(25)	"	
2,4,5-Trichlorophenol	"	3740	---	412	"	"	ND	"	89.7%	(0-200)	2.64%	(200)	"	
2,4,6-Trichlorophenol	"	3980	---	412	"	"	ND	"	95.4%	"	3.21%	"	"	
Surrogate(s): 2-FBP		*Recovery: 79.3%*			*Limits: 27-126%*	"							*04/23/06 21:12*	
2-FP		*84.7%*			*16-121%*	"							"	
Nitrobenzene-d5		*83.2%*			*26-125%*	"							"	
Phenol-d6		*86.3%*			*10-120%*	"							"	
p-Terphenyl-d14		*77.9%*			*26-150%*	"							"	
2,4,6-TBP		*83.9%*			*10-152%*	"							"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D27053 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27053-BLK1)								**Extracted: 04/27/06 13:59**						
Dry Weight	BSOPSPL00 3R08	99.6	---	1.00	%	1x	--	--	--	--	--	--	04/28/06 00:00	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-05	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/08/06 17:02

Notes and Definitions

Report Specific Notes:

A-01	-	The sample aliquot was taken from the 4 oz. jar.
BS-1	-	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the laboratory control limits. Analyte not detected, data not impacted.
D-14	-	Diluted due to matrix effect.
DP-1	-	Sample RPD exceeded the laboratory control limit.
E-01	-	Estimated value. The reported value exceeds the capacity of the detector and therefore is unreliable.
G-01	-	Results reported for the gas range are primarily due to overlap from diesel range hydrocarbons.
G-02	-	The chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.
MS-3	-	The Matrix Spike and/or Matrix Spike Duplicate were above the acceptance limits due to sample matrix interference. See Laboratory Control Sample.
Q-40	-	This analyte had a low bias in the associated calibration verification standard.
Q-41	-	This analyte had a high bias in the associated calibration verification standard.
SR-4	-	Due to sample matrix effects, the surrogate recovery was outside laboratory control limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' or 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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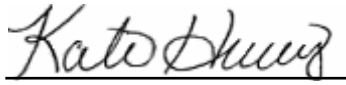

Kate Haney, Project Manager

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May 23, 2006

Dee Gardner
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Time Oil #01-600 - Seattle Terminal

Enclosed are the results of analyses for samples received by the laboratory on 04/21/06 16:10. The following list is a summary of the Work Orders contained in this report, generated on 05/23/06 17:56.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPD0569	Time Oil #01-600 - Seattle Ter	01-600

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01-2	BPD0569-01	Soil	04/21/06 09:30	04/21/06 16:10
B01-5	BPD0569-02	Soil	04/21/06 09:40	04/21/06 16:10
B01-8	BPD0569-03	Soil	04/21/06 09:50	04/21/06 16:10
B01-13.5	BPD0569-04	Soil	04/21/06 10:10	04/21/06 16:10
B01-15	BPD0569-05	Soil	04/21/06 10:15	04/21/06 16:10
B01-21	BPD0569-06	Soil	04/21/06 10:35	04/21/06 16:10
B01-26	BPD0569-07	Soil	04/21/06 10:55	04/21/06 16:10
B02-5	BPD0569-08	Soil	04/21/06 13:10	04/21/06 16:10
B02-7.5	BPD0569-09	Soil	04/21/06 13:20	04/21/06 16:10
B02-10.5	BPD0569-10	Soil	04/21/06 13:30	04/21/06 16:10
B02-16.5	BPD0569-11	Soil	04/21/06 13:50	04/21/06 16:10
B98-16.5	BPD0569-12	Soil	04/21/06 13:50	04/21/06 16:10
B02-20	BPD0569-13	Soil	04/21/06 14:10	04/21/06 16:10
B01-25	BPD0569-16	Soil	04/21/06 10:45	04/21/06 16:10

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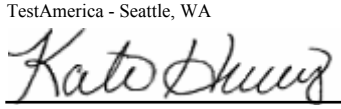

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-03 (B01-8)		**Soil**					**Sampled: 04/21/06 09:50**			
Gasoline Range Hydrocarbons	NWTPH-Gx	**83.9**	-----	5.07	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 15:16	**G-01**
Surrogate(s): 4-BFB (FID)		*111%*			*50 - 150 %*	"			"	
BPD0569-05 (B01-15)		**Soil**					**Sampled: 04/21/06 10:15**			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.31	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 18:33	
Surrogate(s): 4-BFB (FID)		*90.3%*			*50 - 150 %*	"			"	
BPD0569-06 (B01-21)		**Soil**					**Sampled: 04/21/06 10:35**			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.89	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 21:38	
Surrogate(s): 4-BFB (FID)		*89.4%*			*50 - 150 %*	"			"	
BPD0569-08 (B02-5)		**Soil**					**Sampled: 04/21/06 13:10**			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.91	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 22:09	
Surrogate(s): 4-BFB (FID)		*89.8%*			*50 - 150 %*	"			"	
BPD0569-09 (B02-7.5)		**Soil**					**Sampled: 04/21/06 13:20**			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.95	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 22:40	
Surrogate(s): 4-BFB (FID)		*89.6%*			*50 - 150 %*	"			"	
BPD0569-11 (B02-16.5)		**Soil**					**Sampled: 04/21/06 13:50**			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.94	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 23:10	
Surrogate(s): 4-BFB (FID)		*88.5%*			*50 - 150 %*	"			"	
BPD0569-12 (B98-16.5)		**Soil**					**Sampled: 04/21/06 13:50**			
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.65	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 23:41	
Surrogate(s): 4-BFB (FID)		*88.5%*			*50 - 150 %*	"			"	

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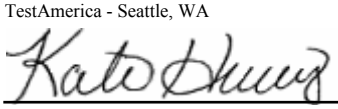

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-01 (B01-2)		**Soil**			**Sampled: 04/21/06 09:30**					
Diesel Range Hydrocarbons	NWTPH-Dx	**293**	-----	22.8	mg/kg dry	2x	6E05049	05/05/06 13:41	05/11/06 14:17	
Lube Oil Range Hydrocarbons	"	**428**	-----	56.9	"	"	"	"	05/10/06 20:03	
Surrogate(s): 2-FBP			*81.2%*		*50 - 150 %*	"			*05/11/06 14:17*	
Octacosane			*94.1%*		*50 - 150 %*	"			*05/10/06 20:03*	
BPD0569-03 (B01-8)		**Soil**			**Sampled: 04/21/06 09:50**					
Diesel Range Hydrocarbons	NWTPH-Dx	**390**	-----	24.6	mg/kg dry	2x	6E05049	05/05/06 13:41	05/17/06 23:21	
Lube Oil Range Hydrocarbons	"	ND	-----	61.5	"	"	"	"	"	
Surrogate(s): 2-FBP			*93.0%*		*50 - 150 %*	"			"	
Octacosane			*93.3%*		*50 - 150 %*	"			"	
BPD0569-06 (B01-21)		**Soil**			**Sampled: 04/21/06 10:35**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.4	mg/kg dry	1x	6E05049	05/05/06 13:41	05/11/06 17:58	
Lube Oil Range Hydrocarbons	"	ND	-----	28.4	"	"	"	"	05/10/06 21:56	
Surrogate(s): 2-FBP			*89.4%*		*50 - 150 %*	"			*05/11/06 17:58*	
Octacosane			*111%*		*50 - 150 %*	"			*05/10/06 21:56*	
BPD0569-08 (B02-5)		**Soil**			**Sampled: 04/21/06 13:10**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.8	mg/kg dry	1x	6E05049	05/05/06 13:41	05/11/06 18:28	
Lube Oil Range Hydrocarbons	"	ND	-----	29.4	"	"	"	"	05/10/06 22:23	
Surrogate(s): 2-FBP			*76.6%*		*50 - 150 %*	"			*05/11/06 18:28*	
Octacosane			*112%*		*50 - 150 %*	"			*05/10/06 22:23*	
BPD0569-11 (B02-16.5)		**Soil**			**Sampled: 04/21/06 13:50**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.6	mg/kg dry	1x	6E05049	05/05/06 13:41	05/11/06 18:43	
Lube Oil Range Hydrocarbons	"	ND	-----	28.9	"	"	"	"	05/10/06 22:38	
Surrogate(s): 2-FBP			*95.0%*		*50 - 150 %*	"			*05/11/06 18:43*	
Octacosane			*121%*		*50 - 150 %*	"			*05/10/06 22:38*	

TestAmerica - Seattle, WA

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-03 (B01-8)		**Soil**				**Sampled: 04/21/06 09:50**				
Benzene	EPA 8260B	ND	-----	0.0220	mg/kg dry	1x	6D26027	04/26/06 08:20	04/26/06 19:24	
Ethylbenzene	"	ND	-----	0.110	"	"	"	"	"	
Toluene	"	ND	-----	0.110	"	"	"	"	"	
o-Xylene	"	ND	-----	0.110	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.220	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.331	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*104%*			*70 - 130 %*	"			"	
Toluene-d8		*98.6%*			*70 - 130 %*	"			"	
4-BFB		*100%*			*70 - 130 %*	"			"	
BPD0569-05 (B01-15)		**Soil**				**Sampled: 04/21/06 10:15**				
Benzene	EPA 8260B	ND	-----	0.0207	mg/kg dry	1x	6D26027	04/26/06 08:20	04/26/06 19:54	
Ethylbenzene	"	ND	-----	0.103	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.517	"	"	"	"	"	
Naphthalene	"	ND	-----	0.103	"	"	"	"	"	
Toluene	"	ND	-----	0.103	"	"	"	"	"	
o-Xylene	"	ND	-----	0.103	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.207	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.310	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*100%*			*70 - 130 %*	"			"	
Toluene-d8		*99.0%*			*70 - 130 %*	"			"	
4-BFB		*96.6%*			*70 - 130 %*	"			"	
BPD0569-06 (B01-21)		**Soil**				**Sampled: 04/21/06 10:35**				
Benzene	EPA 8260B	ND	-----	0.0202	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 12:17	
Ethylbenzene	"	ND	-----	0.101	"	"	"	"	"	
Toluene	"	ND	-----	0.101	"	"	"	"	"	
o-Xylene	"	ND	-----	0.101	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.202	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.303	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*88.6%*			*70 - 130 %*	"			"	
Toluene-d8		*100%*			*70 - 130 %*	"			"	
4-BFB		*98.0%*			*70 - 130 %*	"			"	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-08 (B02-5)		**Soil**			**Sampled: 04/21/06 13:10**					
Benzene	EPA 8260B	ND	-----	0.0204	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 12:47	
Ethylbenzene	"	ND	-----	0.102	"	"	"	"	"	
Toluene	"	ND	-----	0.102	"	"	"	"	"	
o-Xylene	"	ND	-----	0.102	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.204	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.306	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*87.3%*			*70 - 130 %*	"			"	
Toluene-d8		*100%*			*70 - 130 %*	"			"	
4-BFB		*99.0%*			*70 - 130 %*	"			"	
BPD0569-09 (B02-7.5)		**Soil**			**Sampled: 04/21/06 13:20**					
Benzene	EPA 8260B	ND	-----	0.0213	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 13:22	
Ethylbenzene	"	ND	-----	0.107	"	"	"	"	"	
Toluene	"	ND	-----	0.107	"	"	"	"	"	
o-Xylene	"	ND	-----	0.107	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.213	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.320	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*89.2%*			*70 - 130 %*	"			"	
Toluene-d8		*99.5%*			*70 - 130 %*	"			"	
4-BFB		*98.6%*			*70 - 130 %*	"			"	
BPD0569-11 (B02-16.5)		**Soil**			**Sampled: 04/21/06 13:50**					
Benzene	EPA 8260B	ND	-----	0.0196	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 13:55	
Ethylbenzene	"	ND	-----	0.0979	"	"	"	"	"	
Toluene	"	ND	-----	0.0979	"	"	"	"	"	
o-Xylene	"	ND	-----	0.0979	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.196	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.294	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*88.3%*			*70 - 130 %*	"			"	
Toluene-d8		*100%*			*70 - 130 %*	"			"	
4-BFB		*99.0%*			*70 - 130 %*	"			"	

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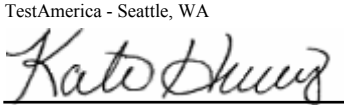
Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-12 (B98-16.5)	**Soil**				**Sampled: 04/21/06 13:50**					
Benzene	EPA 8260B	ND	-----	0.0196	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 14:23	
Ethylbenzene	"	ND	-----	0.0979	"	"	"	"	"	
Toluene	"	ND	-----	0.0979	"	"	"	"	"	
o-Xylene	"	ND	-----	0.0979	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.196	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.294	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*		*88.8%*			*70 - 130 %*	"			"	
Toluene-d8		*99.0%*			*70 - 130 %*	"			"	
4-BFB		*98.5%*			*70 - 130 %*	"			"	



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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-01 (B01-2)		**Soil**				**Sampled: 04/21/06 09:30**				
Dry Weight	BSOPSPL003R08	**88.1**	-----	1.00	%	1x	6E05052	05/05/06 14:04	05/06/06 00:00	
BPD0569-03 (B01-8)		**Soil**				**Sampled: 04/21/06 09:50**				
Dry Weight	BSOPSPL003R08	**81.3**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-05 (B01-15)		**Soil**				**Sampled: 04/21/06 10:15**				
Dry Weight	BSOPSPL003R08	**92.0**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-06 (B01-21)		**Soil**				**Sampled: 04/21/06 10:35**				
Dry Weight	BSOPSPL003R08	**87.5**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-08 (B02-5)		**Soil**				**Sampled: 04/21/06 13:10**				
Dry Weight	BSOPSPL003R08	**84.1**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-09 (B02-7.5)		**Soil**				**Sampled: 04/21/06 13:20**				
Dry Weight	BSOPSPL003R08	**80.5**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-11 (B02-16.5)		**Soil**				**Sampled: 04/21/06 13:50**				
Dry Weight	BSOPSPL003R08	**86.5**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-12 (B98-16.5)		**Soil**				**Sampled: 04/21/06 13:50**				
Dry Weight	BSOPSPL003R08	**86.8**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D25025 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D25025-BLK1)							**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	04/25/06 10:48	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.3%*			*Limits: 50-150%*	"							*04/25/06 10:48*	
LCS (6D25025-BS1)							**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	48.3	---	5.00	mg/kg wet	1x	--	50.0	96.6%	(75-125)	--	--	04/25/06 11:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 96.0%*			*Limits: 50-150%*	"							*04/25/06 11:34*	
Duplicate (6D25025-DUP1)					**QC Source: BPD0569-03**		**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	91.6	---	5.07	mg/kg dry	1x	83.9	--	--	--	8.77%	(40)	04/25/06 18:02	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 115%*			*Limits: 50-150%*	"							*04/25/06 18:02*	
Duplicate (6D25025-DUP2)					**QC Source: BPD0569-05**		**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.31	mg/kg dry	1x	ND	--	--	--	66.3%	(40)	04/25/06 19:04	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 88.1%*			*Limits: 50-150%*	"							*04/25/06 19:04*	
Matrix Spike (6D25025-MS1)					**QC Source: BPD0569-03**		**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	128	---	5.07	mg/kg dry	1x	83.9	50.7	87.0%	(42-125)	--	--	04/25/06 19:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 114%*			*Limits: 50-150%*	"							*04/25/06 19:34*	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05049 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05049-BLK1)								**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	05/11/06 11:16	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	05/10/06 17:10	
Surrogate(s): 2-FBP		*Recovery: 109%*			*Limits: 50-150%*	"							*05/11/06 11:16*	
Octacosane		*108%*			*50-150%*	"							*05/10/06 17:10*	
LCS (6E05049-BS1)								**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	68.7	---	10.0	mg/kg wet	1x	--	66.7	103%	(71-120)	--	--	05/18/06 02:42	
Lube Oil Range Hydrocarbons	"	56.8	---	25.0	"	"	--	"	85.2%	(60-140)	--	--	05/18/06 01:01	
Surrogate(s): 2-FBP		*Recovery: 102%*			*Limits: 50-150%*	"							*05/18/06 02:42*	
Octacosane		*108%*			*50-150%*	"							*05/18/06 01:01*	
Duplicate (6E05049-DUP1)					**QC Source: BPD0569-06**			**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.5	mg/kg dry	1x	ND	--	--	--	26.5%	(40)	05/11/06 11:57	
Lube Oil Range Hydrocarbons	"	ND	---	28.8	"	"	ND	--	--	--	5.47%	"	05/10/06 17:53	
Surrogate(s): 2-FBP		*Recovery: 94.2%*			*Limits: 50-150%*	"							*05/11/06 11:57*	
Octacosane		*102%*			*50-150%*	"							*05/10/06 17:53*	
Matrix Spike (6E05049-MS1)					**QC Source: BPD0569-06**			**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	86.3	---	11.2	mg/kg dry	1x	4.29	74.9	109%	(45-144)	--	--	05/11/06 12:24	
Lube Oil Range Hydrocarbons	"	68.2	---	28.1	"	"	5.16	"	84.2%	(50-150)	--	--	05/10/06 18:08	
Surrogate(s): 2-FBP		*Recovery: 104%*			*Limits: 50-150%*	"							*05/11/06 12:24*	
Octacosane		*102%*			*50-150%*	"							*05/10/06 18:08*	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	ND	---	0.0200	mg/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/26/06 12:02*	
Toluene-d8		*111%*			*70-130%*	"							"	
4-BFB		*108%*			*70-130%*	"							"	
Blank (6D26027-BLK2)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	ND	---	0.0200	mg/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/27/06 11:43*	
Toluene-d8		*112%*			*70-130%*	"							"	
4-BFB		*110%*			*70-130%*	"							"	
LCS (6D26027-BS1)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	1.86	---	0.0200	mg/kg wet	1x	--	2.00	93.0%	(75-125)	--	--	04/26/06 09:26	
Ethylbenzene	"	1.86	---	0.100	"	"	--	"	93.0%	"	--	--	"	
Toluene	"	1.85	---	0.100	"	"	--	"	92.5%	(74-121)	--	--	"	
o-Xylene	"	1.86	---	0.100	"	"	--	"	93.0%	(75-125)	--	--	"	
m,p-Xylene	"	3.73	---	0.200	"	"	--	4.00	93.2%	"	--	--	"	
Xylenes (total)	"	5.59	---	0.300	"	"	--	6.00	93.2%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 70-130%*	"							*04/26/06 09:26*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*98.0%*			*70-130%*	"							"	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6D26027-BSD1)									**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1.79	---	0.0200	mg/kg wet	1x	--	2.00	89.5%	(75-125)	3.84%	(20)	04/27/06 09:59	
Ethylbenzene	"	1.75	---	0.100	"	"	--	"	87.5%	"	6.09%	"	"	
Toluene	"	1.77	---	0.100	"	"	--	"	88.5%	(74-121)	4.42%	"	"	
o-Xylene	"	1.80	---	0.100	"	"	--	"	90.0%	(75-125)	3.28%	"	"	
m,p-Xylene	"	3.58	---	0.200	"	"	--	4.00	89.5%	"	4.10%	"	"	
Xylenes (total)	"	5.38	---	0.300	"	"	--	6.00	89.7%	"	3.83%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 88.5%*			*Limits: 70-130%*	"							*04/27/06 09:59*	
Toluene-d8		*96.0%*			*70-130%*	"							"	
4-BFB		*99.0%*			*70-130%*	"							"	
Matrix Spike (6D26027-MS1)							**QC Source: BPD0612-01**		**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1.83	---	0.0189	mg/kg dry	1x	ND	1.89	96.8%	(61-130)	--	--	04/26/06 09:53	
Ethylbenzene	"	2.21	---	0.0944	"	"	0.248	"	104%	(50-150)	--	--	"	
Toluene	"	1.84	---	0.0944	"	"	ND	"	97.4%	(62-125)	--	--	"	
o-Xylene	"	6.46	---	0.0944	"	"	4.05	"	128%	(50-150)	--	--	"	
m,p-Xylene	"	8.07	---	0.189	"	"	3.17	3.78	130%	"	--	--	"	
Xylenes (total)	"	14.5	---	0.283	"	"	7.22	5.67	128%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.8%*			*Limits: 70-130%*	"							*04/26/06 09:53*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*101%*			*70-130%*	"							"	
Matrix Spike Dup (6D26027-MSD1)							**QC Source: BPD0612-01**		**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1.81	---	0.0183	mg/kg dry	1x	ND	1.83	98.9%	(61-130)	1.10%	(25)	04/26/06 10:21	
Ethylbenzene	"	2.21	---	0.0913	"	"	0.248	"	107%	(50-150)	0.00%	"	"	
Toluene	"	1.86	---	0.0913	"	"	ND	"	102%	(62-125)	1.08%	"	"	
o-Xylene	"	5.45	---	0.0913	"	"	4.05	"	76.5%	(50-150)	17.0%	"	"	
m,p-Xylene	"	7.04	---	0.183	"	"	3.17	3.65	106%	"	13.6%	"	"	
Xylenes (total)	"	12.5	---	0.274	"	"	7.22	5.48	96.4%	"	14.8%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 70-130%*	"							*04/26/06 10:21*	
Toluene-d8		*97.3%*			*70-130%*	"							"	
4-BFB		*99.7%*			*70-130%*	"							"	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

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QC Batch: 6D27055 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27055-BLK1)													**Extracted: 04/27/06 14:03**	
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	04/28/06 00:00	

QC Batch: 6E05052 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05052-BLK1)													**Extracted: 05/05/06 14:04**	
Dry Weight	BSOPSPL00 3R08	99.8	---	1.00	%	1x	--	--	--	--	--	--	05/06/06 00:00	

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Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-600 - Seattle Terminal**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:56

Notes and Definitions

Report Specific Notes:

G-01 - Results reported for the gas range are primarily due to overlap from diesel range hydrocarbons.

RP-4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

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11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPD0569

NCA CLIENT: Time Oil
REPORT TO: Joe Gardner
ADDRESS: SES
PHONE: 206/306/1900 FAX: 206/306-1907
PROJECT NAME: Time Oil HQ
PROJECT NUMBER: 01-600
SAMPLED BY: Cassandra/Maureen

INVOICE TO: Time Oil
P.O. NUMBER:

TURNAROUND REQUEST in Business Days*
Organic & Inorganic Analyses: STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: B by BTEX	PRESERVATIVE: B by NWTPH-Dx	REQUESTED ANALYSES: NWTPH-Gx	REQUESTED ANALYSES: BTEX	REQUESTED ANALYSES: NWTPH-Dx	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	B01-2	4/21/06 0930					X	S	5		-01
2	B01-5	0940							5		-02
3	B01-8	0950	/	/			X		5		-03
4	B01-13.5	1010							5		-04
5	B01-15	1015	/	/					5		-05
6	B01-21	1035	/	/			X		5		-06 (TB 4/21)
7	B01-25	1045							3		~~-07~~ -16
8	B01-26	1055							3		~~-08~~ -07
9	B02-5	1310	/	/			X		3		~~-09~~ -08
10	B02-7.5	1320	/	/					3		~~-10~~ -09

RELEASED BY: [signature] DATE: 4/21/06
PRINT NAME: Maureen Sanchez FIRM: SES TIME: 1610

RECEIVED BY: Colette Weaver DATE: 04.21.06
PRINT NAME: Colette Weaver FIRM: NCA TIME: 1610

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: PLEASE RELOG SELECTED SAMPLES (X) FOR THE INDICATED ANALYSES 05.04.06

TEMP: 5.7°C

COC REV 09/04

PAGE 1 OF 2

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPD0569

NCA CLIENT: Time Oil
REPORT TO: Dee Gardner
ADDRESS: SES
PHONE: 206 306 1900 FAX: 206 306 1907
PROJECT NAME: Time Oil #10
PROJECT NUMBER: 01-600
SAMPLED BY: Cassandra/Maureen

INVOICE TO: Time Oil
P.O. NUMBER:

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: [X] 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: [X] 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE
REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Gx	BTEX by 8260B	NWTPH-Dx	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	B07-10.5	4/21/06 1330				S	5		~~-11~~ -10
2	B07-16.5	1350	/	/	X	↓	↓		~~-12~~ -11
3	B08-16.5	1350	/	/					~~-13~~ -12
4	B02-20	1410							~~-14~~ -13
5									
6									
7									
8									
9									
10									

TB 4/21

RELEASED BY: [signature] DATE: 4/21/06
PRINT NAME: Maureen Sanchez FIRM: SES TIME: 1610

RECEIVED BY: Colette Weaver DATE: 04-21-06
PRINT NAME: Colette Weaver FIRM: NCA TIME: 1610

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:
SEE P 1/2 [signature] 05.04.06

TEMP:

COC REV 09/04

PAGE 2 OF 2

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

May 23, 2006

Dee Gardner
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Time Oil - ASKO

Enclosed are the results of analyses for samples received by the laboratory on 04/21/06 16:10. The following list is a summary of the Work Orders contained in this report, generated on 05/23/06 17:49.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPD0569	Time Oil - ASKO	01-600

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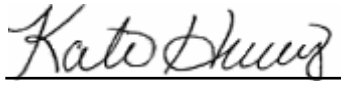

Kate Haney, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B07-1.5	BPD0569-14	Soil	04/21/06 14:10	04/21/06 16:10
B07-3	BPD0569-15	Soil	04/21/06 14:15	04/21/06 16:10

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**					**Sampled: 04/21/06 14:10**			
Gasoline Range Hydrocarbons	NWTPH-Gx	**143**	-----	4.45	mg/kg dry	1x	6D25025	04/25/06 10:46	04/25/06 13:35	**G-01**
Surrogate(s): 4-BFB (FID)		*154%*			*50 - 150 %*	"			"	***SR-4***
BPD0569-15 (B07-3)		**Soil**					**Sampled: 04/21/06 14:15**			
Gasoline Range Hydrocarbons	NWTPH-Gx	**57.3**	-----	4.47	mg/kg dry	1x	6D25025	04/25/06 10:46	04/26/06 00:12	**G-02**
Surrogate(s): 4-BFB (FID)		*116%*			*50 - 150 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**			**Sampled: 04/21/06 14:10**					
Diesel Range Hydrocarbons	NWTPH-Dx	**394**	-----	61.0	mg/kg dry	5x	6E05049	05/05/06 13:41	05/11/06 19:09	
Lube Oil Range Hydrocarbons	"	**952**	-----	153	"	"	"	"	05/10/06 23:04	
Surrogate(s): 2-FBP		*102%*			*50 - 150 %*	*"*			*05/11/06 19:09*	
Octacosane		*82.6%*			*50 - 150 %*	*"*			*05/10/06 23:04*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**			**Sampled: 04/21/06 14:10**					
Arsenic	EPA 6020	**3.57**	-----	0.653	mg/kg dry	1x	6E05027	05/05/06 11:10	05/05/06 16:11	
Barium	"	**86.0**	-----	6.53	"	"	"	"	"	
Cadmium	"	ND	-----	0.653	"	"	"	"	"	
Chromium	"	**44.2**	-----	0.653	"	"	"	"	"	
Lead	"	**6.13**	-----	0.653	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	0.358	"	"	6E05029	05/05/06 11:26	05/10/06 10:25	
Selenium	EPA 6020	ND	-----	0.653	"	"	6E05027	05/05/06 11:10	05/05/06 16:11	
Silver	"	ND	-----	0.653	"	"	"	"	"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**			**Sampled: 04/21/06 14:10**					
Acetone	EPA 8260B	ND	-----	0.0257	mg/kg dry	1x	6E05019	05/05/06 09:00	05/05/06 12:44	
Benzene	"	ND	-----	0.00128	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00428	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00428	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00428	"	"	"	"	"	
Bromoform	"	ND	-----	0.00428	"	"	"	"	"	
Bromomethane	"	ND	-----	0.00856	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0128	"	"	"	"	"	
n-Butylbenzene	"	**0.00491**	-----	0.00428	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00428	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00428	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00257	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00428	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00171	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00428	"	"	"	"	"	
Chloroform	"	ND	-----	0.00214	"	"	"	"	"	
Chloromethane	"	ND	-----	0.00856	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00428	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00428	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00428	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.00856	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00428	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.00428	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00428	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00428	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00428	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00428	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00171	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00107	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00257	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00257	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00214	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00428	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00428	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.00856	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00428	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00428	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00107	"	"	"	"	"	

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**			**Sampled: 04/21/06 14:10**					
Ethylbenzene	EPA 8260B	**0.00923**	-----	0.00342	mg/kg dry	1x	6E05019	05/05/06 09:00	05/05/06 12:44	
Hexachlorobutadiene	"	ND	-----	0.00428	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.000856	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0171	"	"	"	"	"	
Isopropylbenzene	"	**0.00586**	-----	0.00428	"	"	"	"	"	
p-Isopropyltoluene	"	**0.00842**	-----	0.00428	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0171	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00299	"	"	"	"	"	
Naphthalene	"	ND	-----	0.00428	"	"	"	"	"	
n-Propylbenzene	"	**0.00918**	-----	0.00428	"	"	"	"	"	
Styrene	"	ND	-----	0.000856	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.00428	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.00428	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00428	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00428	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00171	"	"	"	"	"	
Toluene	"	ND	-----	0.00128	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00214	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00107	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.00214	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00428	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00428	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	**0.0747**	-----	0.00428	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	**0.0142**	-----	0.00428	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00214	"	"	"	"	"	
o-Xylene	"	**0.0149**	-----	0.00428	"	"	"	"	"	
m,p-Xylene	"	**0.371**	-----	0.00428	"	"	"	"	"	**E-01**
Total Xylenes	"	**0.386**	-----	0.00856	"	"	"	"	"	**E-01**
Surrogate(s): 1,2-DCA-d4		*102%*		*60 - 140 %*	"				"	
Toluene-d8		*109%*		*60 - 140 %*	"				"	
4-BFB		*112%*		*60 - 140 %*	"				"	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**			**Sampled: 04/21/06 14:10**					
o-Xylene	EPA 8260B	ND	-----	0.0781	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 14:51	
m,p-Xylene	"	**2.41**	-----	0.156	"	"	"	"	"	
Xylenes (total)	"	**2.47**	-----	0.234	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*89.1%*			*70 - 130 %*	"			"	
Toluene-d8		*99.4%*			*70 - 130 %*	"			"	
4-BFB		*99.4%*			*70 - 130 %*	"			"	
BPD0569-15 (B07-3)		**Soil**			**Sampled: 04/21/06 14:15**					
Benzene	EPA 8260B	ND	-----	0.0160	mg/kg dry	1x	6D26027	04/26/06 08:20	04/27/06 15:20	
Ethylbenzene	"	ND	-----	0.0798	"	"	"	"	"	
Toluene	"	ND	-----	0.0798	"	"	"	"	"	
o-Xylene	"	**0.140**	-----	0.0798	"	"	"	"	"	
m,p-Xylene	"	**1.60**	-----	0.160	"	"	"	"	"	
Xylenes (total)	"	**1.74**	-----	0.239	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*88.1%*			*70 - 130 %*	"			"	
Toluene-d8		*99.4%*			*70 - 130 %*	"			"	
4-BFB		*101%*			*70 - 130 %*	"			"	

TestAmerica - Seattle, WA

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0569-14 (B07-1.5)		**Soil**				**Sampled: 04/21/06 14:10**				
Dry Weight	BSOPSPL003R08	**80.6**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	
BPD0569-15 (B07-3)		**Soil**				**Sampled: 04/21/06 14:15**				
Dry Weight	BSOPSPL003R08	**84.0**	-----	1.00	%	1x	6D27055	04/27/06 14:03	04/28/06 00:00	

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Kate Haney, Project Manager

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2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D25025 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D25025-BLK1)							**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	04/25/06 10:48	
Surrogate(s): 4-BFB (FID)		*Recovery: 88.3%*			*Limits: 50-150%*	"							*04/25/06 10:48*	
LCS (6D25025-BS1)							**Extracted: 04/25/06 10:29**							
Gasoline Range Hydrocarbons	NWTPH-Gx	48.3	---	5.00	mg/kg wet	1x	--	50.0	96.6%	(75-125)	--	--	04/25/06 11:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 96.0%*			*Limits: 50-150%*	"							*04/25/06 11:34*	
Duplicate (6D25025-DUP1)							**QC Source: BPD0569-03**						**Extracted: 04/25/06 10:29**	
Gasoline Range Hydrocarbons	NWTPH-Gx	74.5	---	4.13	mg/kg wet	1x		--	--	--		(40)	04/25/06 18:02	G-01
Surrogate(s): 4-BFB (FID)		*Recovery: 114%*			*Limits: 50-150%*	"							*04/25/06 18:02*	
Duplicate (6D25025-DUP2)							**QC Source: BPD0569-05**						**Extracted: 04/25/06 10:29**	
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4.89	mg/kg wet	1x		--	--	--		(40)	04/25/06 19:04	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 88.1%*			*Limits: 50-150%*	"							*04/25/06 19:04*	
Matrix Spike (6D25025-MS1)							**QC Source: BPD0569-03**						**Extracted: 04/25/06 10:29**	
Gasoline Range Hydrocarbons	NWTPH-Gx	104	---	4.13	mg/kg wet	1x		41.3	252%	(42-125)	--	--	04/25/06 19:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 114%*			*Limits: 50-150%*	"							*04/25/06 19:34*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05049 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05049-BLK1)								**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	05/11/06 11:16	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	05/10/06 17:10	
Surrogate(s): 2-FBP		*Recovery: 109%*			*Limits: 50-150%*	"							*05/11/06 11:16*	
Octacosane		*108%*			*50-150%*	"							*05/10/06 17:10*	
LCS (6E05049-BS1)								**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	68.7	---	10.0	mg/kg wet	1x	--	66.7	103%	(71-120)	--	--	05/18/06 02:42	
Lube Oil Range Hydrocarbons	"	56.8	---	25.0	"	"	--	"	85.2%	(60-140)	--	--	05/18/06 01:01	
Surrogate(s): 2-FBP		*Recovery: 102%*			*Limits: 50-150%*	"							*05/18/06 02:42*	
Octacosane		*108%*			*50-150%*	"							*05/18/06 01:01*	
Duplicate (6E05049-DUP1)					**QC Source: BPD0569-06**			**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.1	mg/kg wet	1x		--	--	--		(40)	05/11/06 11:57	
Lube Oil Range Hydrocarbons	"	ND	---	25.2	"	"		--	--	--		"	05/10/06 17:53	
Surrogate(s): 2-FBP		*Recovery: 94.2%*			*Limits: 50-150%*	"							*05/11/06 11:57*	
Octacosane		*102%*			*50-150%*	"							*05/10/06 17:53*	
Matrix Spike (6E05049-MS1)					**QC Source: BPD0569-06**			**Extracted: 05/05/06 13:41**						
Diesel Range Hydrocarbons	NWTPH-Dx	75.5	---	9.84	mg/kg wet	1x		65.6	115%	(45-144)	--	--	05/11/06 12:24	
Lube Oil Range Hydrocarbons	"	59.7	---	24.6	"	"		"	91.0%	(50-150)	--	--	05/10/06 18:08	
Surrogate(s): 2-FBP		*Recovery: 104%*			*Limits: 50-150%*	"							*05/11/06 12:24*	
Octacosane		*102%*			*50-150%*	"							*05/10/06 18:08*	

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Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05027 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05027-BLK1)									**Extracted: 05/05/06 11:10**					
Silver	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	05/05/06 15:42	
Arsenic	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Barium	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Lead	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Selenium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
LCS (6E05027-BS1)									**Extracted: 05/05/06 11:10**					
Barium	EPA 6020	38.2	---	5.00	mg/kg wet	1x	--	40.0	95.5%	(80-120)	--	--	05/05/06 15:48	
Arsenic	"	38.1	---	0.500	"	"	--	"	95.2%	"	--	--	"	
Cadmium	"	38.0	---	0.500	"	"	--	"	95.0%	"	--	--	"	
Chromium	"	37.2	---	0.500	"	"	--	"	93.0%	"	--	--	"	
Lead	"	38.1	---	0.500	"	"	--	"	95.2%	"	--	--	"	
Selenium	"	36.9	---	0.500	"	"	--	"	92.2%	"	--	--	"	
Silver	"	38.2	---	0.500	"	"	--	"	95.5%	"	--	--	"	
Duplicate (6E05027-DUP1)							**QC Source: BPE0136-01**			**Extracted: 05/05/06 11:10**				
Arsenic	EPA 6020	2.11	---	0.539	mg/kg dry	1x	1.80	--	--	--	15.9%	(30)	05/05/06 16:05	
Barium	"	41.1	---	5.39	"	"	35.0	--	--	--	16.0%	"	"	
Silver	"	ND	---	0.539	"	"	ND	--	--	--		(50)	"	
Selenium	"	ND	---	0.539	"	"	ND	--	--	--	NR	(30)	"	
Lead	"	1.72	---	0.539	"	"	1.75	--	--	--	1.73%	"	"	
Chromium	"	21.5	---	0.539	"	"	15.3	--	--	--	33.7%	"	"	DP-1
Cadmium	"	ND	---	0.539	"	"	ND	--	--	--	48.2%	"	"	RP-4
Matrix Spike (6E05027-MS1)							**QC Source: BPE0136-01**			**Extracted: 05/05/06 11:10**				
Chromium	EPA 6020	59.8	---	0.539	mg/kg dry	1x	15.3	43.1	103%	(30-163)	--	--	05/05/06 15:59	
Silver	"	39.9	---	0.539	"	"	ND	"	92.6%	(54-126)	--	--	"	
Arsenic	"	41.5	---	0.539	"	"	1.80	"	92.1%	(57-125)	--	--	"	
Cadmium	"	41.0	---	0.539	"	"	0.0593	"	95.0%	(80-120)	--	--	"	
Lead	"	42.8	---	0.539	"	"	1.75	"	95.2%	(29-166)	--	--	"	
Selenium	"	38.6	---	0.539	"	"	0.178	"	89.1%	(61-120)	--	--	"	
Barium	"	74.9	---	5.39	"	"	35.0	"	92.6%	(20-160)	--	--	"	

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2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05027 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Post Spike (6E05027-PS1)					**QC Source: BPE0136-01**				**Extracted: 05/05/06 11:10**					
Silver	EPA 6020	0.0917	---		ug/ml	1x	0.0000700	0.100	91.6%	(75-125)	--	--	05/05/06 15:53	
Arsenic	"	0.101	---		"	"	0.00335	"	97.6%	"	--	--	"	
Lead	"	0.0957	---		"	"	0.00324	"	92.5%	"	--	--	"	
Selenium	"	0.0916	---		"	"	0.000330	"	91.3%	"	--	--	"	
Chromium	"	0.121	---		"	"	0.0284	"	92.6%	"	--	--	"	
Cadmium	"	0.0925	---		"	"	0.000110	"	92.4%	"	--	--	"	
Barium	"	0.159	---		"	"	0.0650	"	94.0%	"	--	--	"	

QC Batch: 6E05029 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05029-BLK1)									**Extracted: 05/05/06 11:26**					
Mercury	EPA 7471A	ND	---	0.400	mg/kg wet	1x	--	--	--	--	--	--	05/05/06 13:06	
LCS (6E05029-BS1)									**Extracted: 05/05/06 11:26**					
Mercury	EPA 7471A	0.730	---	0.400	mg/kg wet	1x	--	0.667	109%	(80-120)	--	--	05/05/06 13:08	
Matrix Spike (6E05029-MS1)					**QC Source: BPE0138-02**				**Extracted: 05/05/06 11:26**					
Mercury	EPA 7471A	0.968	---	0.440	mg/kg dry	1x	0.0863	0.733	120%	(70-130)	--	--	05/05/06 13:11	
Matrix Spike Dup (6E05029-MSD1)					**QC Source: BPE0138-02**				**Extracted: 05/05/06 11:26**					
Mercury	EPA 7471A	0.916	---	0.429	mg/kg dry	1x	0.0863	0.714	116%	(70-130)	5.52%	(30)	05/05/06 13:13	

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05019 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05019-BLK1)							**Extracted: 05/05/06 09:00**							
Acetone	EPA 8260B	ND	---	0.0300	mg/kg wet	1x	--	--	--	--	--	--	05/05/06 11:06	
Benzene	"	ND	---	0.00150	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	0.0150	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.00400	"	"	--	--	--	--	--	--	"	

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Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05019 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6E05019-BLK1)							**Extracted: 05/05/06 09:00**							
Hexachlorobutadiene	EPA 8260B	ND	---	0.00500	mg/kg wet	1x	--	--	--	--	--	--	05/05/06 11:06	
Methyl tert-butyl ether	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.00350	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.00150	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.0%*			*Limits: 60-140%*	"							*05/05/06 11:06*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	

TestAmerica - Seattle, WA

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Kate Haney, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name: **Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number: 01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager: Dee Gardner	05/23/06 17:49

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6E05019 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6E05019-BS1)								**Extracted: 05/05/06 09:00**						
Acetone	EPA 8260B	0.398	---	0.0300	mg/kg wet	1x	--	0.400	99.5%	(70-130)	--	--	05/05/06 09:30	
Benzene	"	0.0396	---	0.00150	"	"	--	0.0400	99.0%	"	--	--	"	
2-Butanone	"	0.421	---	0.0150	"	"	--	0.400	105%	"	--	--	"	
Carbon disulfide	"	0.0444	---	0.00300	"	"	--	0.0400	111%	"	--	--	"	
Chlorobenzene	"	0.0395	---	0.00200	"	"	--	"	98.8%	"	--	--	"	
1,1-Dichloroethane	"	0.0418	---	0.00200	"	"	--	"	104%	"	--	--	"	
1,1-Dichloroethene	"	0.0421	---	0.00300	"	"	--	"	105%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0412	---	0.00300	"	"	--	"	103%	"	--	--	"	
Ethylbenzene	"	0.0392	---	0.00400	"	"	--	"	98.0%	"	--	--	"	
Hexachlorobutadiene	"	0.0405	---	0.00500	"	"	--	"	101%	"	--	--	"	
4-Methyl-2-pentanone	"	0.414	---	0.0200	"	"	--	0.400	104%	"	--	--	"	
Tetrachloroethene	"	0.0372	---	0.00200	"	"	--	0.0400	93.0%	"	--	--	"	
Toluene	"	0.0395	---	0.00150	"	"	--	"	98.8%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0417	---	0.00250	"	"	--	"	104%	"	--	--	"	
Trichloroethene	"	0.0405	---	0.00250	"	"	--	"	101%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 60-140%*	"							*05/05/06 09:30*	
Toluene-d8		*100%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	
LCS Dup (6E05019-BSD1)								**Extracted: 05/05/06 09:00**						
Acetone	EPA 8260B	0.403	---	0.0300	mg/kg wet	1x	--	0.400	101%	(70-130)	1.25%	(30)	05/05/06 09:53	
Benzene	"	0.0406	---	0.00150	"	"	--	0.0400	102%	"	2.49%	"	"	
2-Butanone	"	0.417	---	0.0150	"	"	--	0.400	104%	"	0.955%	"	"	
Carbon disulfide	"	0.0464	---	0.00300	"	"	--	0.0400	116%	"	4.41%	"	"	
Chlorobenzene	"	0.0400	---	0.00200	"	"	--	"	100%	"	1.26%	"	"	
1,1-Dichloroethane	"	0.0440	---	0.00200	"	"	--	"	110%	"	5.13%	"	"	
1,1-Dichloroethene	"	0.0438	---	0.00300	"	"	--	"	110%	"	3.96%	"	"	
cis-1,2-Dichloroethene	"	0.0419	---	0.00300	"	"	--	"	105%	"	1.68%	"	"	
Ethylbenzene	"	0.0399	---	0.00400	"	"	--	"	99.8%	"	1.77%	"	"	
Hexachlorobutadiene	"	0.0396	---	0.00500	"	"	--	"	99.0%	"	2.25%	"	"	
4-Methyl-2-pentanone	"	0.414	---	0.0200	"	"	--	0.400	104%	"	0.00%	"	"	
Tetrachloroethene	"	0.0361	---	0.00200	"	"	--	0.0400	90.2%	"	3.00%	"	"	
Toluene	"	0.0404	---	0.00150	"	"	--	"	101%	"	2.25%	"	"	
1,1,1-Trichloroethane	"	0.0434	---	0.00250	"	"	--	"	108%	"	4.00%	"	"	
Trichloroethene	"	0.0414	---	0.00250	"	"	--	"	104%	"	2.20%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 100%*			*Limits: 60-140%*	"							*05/05/06 09:53*	
Toluene-d8		*102%*			*60-140%*	"							"	
4-BFB		*101%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**
2400 Airport Way South, Suite 200	Project Number:	01-600
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner

Report Created: 05/23/06 17:49

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D26027-BLK1)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	ND	---	0.0200	mg/kg wet	1x	--	--	--	--	--	--	04/26/06 12:02	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/26/06 12:02*	
Toluene-d8		*111%*			*70-130%*	"							"	
4-BFB		*108%*			*70-130%*	"							"	
Blank (6D26027-BLK2)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	ND	---	0.0200	mg/kg wet	1x	--	--	--	--	--	--	04/27/06 11:43	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 70-130%*	"							*04/27/06 11:43*	
Toluene-d8		*112%*			*70-130%*	"							"	
4-BFB		*110%*			*70-130%*	"							"	
LCS (6D26027-BS1)							**Extracted: 04/26/06 08:20**							
Benzene	EPA 8260B	1.86	---	0.0200	mg/kg wet	1x	--	2.00	93.0%	(75-125)	--	--	04/26/06 09:26	
Ethylbenzene	"	1.86	---	0.100	"	"	--	"	93.0%	"	--	--	"	
Toluene	"	1.85	---	0.100	"	"	--	"	92.5%	(74-121)	--	--	"	
o-Xylene	"	1.86	---	0.100	"	"	--	"	93.0%	(75-125)	--	--	"	
m,p-Xylene	"	3.73	---	0.200	"	"	--	4.00	93.2%	"	--	--	"	
Xylenes (total)	"	5.59	---	0.300	"	"	--	6.00	93.2%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.0%*			*Limits: 70-130%*	"							*04/26/06 09:26*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*98.0%*			*70-130%*	"							"	

TestAmerica - Seattle, WA

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name: **Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number: 01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager: Dee Gardner	05/23/06 17:49

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D26027 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6D26027-BSD1)									**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1.79	---	0.0200	mg/kg wet	1x	--	2.00	89.5%	(75-125)	3.84%	(20)	04/27/06 09:59	
Ethylbenzene	"	1.75	---	0.100	"	"	--	"	87.5%	"	6.09%	"	"	
Toluene	"	1.77	---	0.100	"	"	--	"	88.5%	(74-121)	4.42%	"	"	
o-Xylene	"	1.80	---	0.100	"	"	--	"	90.0%	(75-125)	3.28%	"	"	
m,p-Xylene	"	3.58	---	0.200	"	"	--	4.00	89.5%	"	4.10%	"	"	
Xylenes (total)	"	5.38	---	0.300	"	"	--	6.00	89.7%	"	3.83%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 88.5%*			*Limits: 70-130%*	"							*04/27/06 09:59*	
Toluene-d8		*96.0%*			*70-130%*	"							"	
4-BFB		*99.0%*			*70-130%*	"							"	
Matrix Spike (6D26027-MS1)					**QC Source: BPD0612-01**				**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1.83	---	0.0189	mg/kg dry	1x	ND	1.89	96.8%	(61-130)	--	--	04/26/06 09:53	
Ethylbenzene	"	2.21	---	0.0944	"	"	0.248	"	104%	(50-150)	--	--	"	
Toluene	"	1.84	---	0.0944	"	"	ND	"	97.4%	(62-125)	--	--	"	
o-Xylene	"	6.46	---	0.0944	"	"	4.05	"	128%	(50-150)	--	--	"	
m,p-Xylene	"	8.07	---	0.189	"	"	3.17	3.78	130%	"	--	--	"	
Xylenes (total)	"	14.5	---	0.283	"	"	7.22	5.67	128%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.8%*			*Limits: 70-130%*	"							*04/26/06 09:53*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*101%*			*70-130%*	"							"	
Matrix Spike Dup (6D26027-MSD1)					**QC Source: BPD0612-01**				**Extracted: 04/26/06 08:20**					
Benzene	EPA 8260B	1.81	---	0.0183	mg/kg dry	1x	ND	1.83	98.9%	(61-130)	1.10%	(25)	04/26/06 10:21	
Ethylbenzene	"	2.21	---	0.0913	"	"	0.248	"	107%	(50-150)	0.00%	"	"	
Toluene	"	1.86	---	0.0913	"	"	ND	"	102%	(62-125)	1.08%	"	"	
o-Xylene	"	5.45	---	0.0913	"	"	4.05	"	76.5%	(50-150)	17.0%	"	"	
m,p-Xylene	"	7.04	---	0.183	"	"	3.17	3.65	106%	"	13.6%	"	"	
Xylenes (total)	"	12.5	---	0.274	"	"	7.22	5.48	96.4%	"	14.8%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 70-130%*	"							*04/26/06 10:21*	
Toluene-d8		*97.3%*			*70-130%*	"							"	
4-BFB		*99.7%*			*70-130%*	"							"	

TestAmerica - Seattle, WA

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D27055 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D27055-BLK1)								**Extracted: 04/27/06 14:03**						
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	04/28/06 00:00	

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	01-600	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	05/23/06 17:49

Notes and Definitions

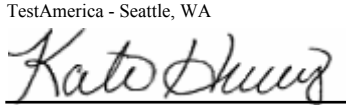
Report Specific Notes:

DP-1	-	Sample RPD exceeded the laboratory control limit.
E-01	-	Estimated value. The reported value exceeds the capacity of the detector and therefore is unreliable.
G-01	-	Results reported for the gas range are primarily due to overlap from diesel range hydrocarbons.
G-02	-	The chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.
RP-4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
SR-4	-	Due to sample matrix effects, the surrogate recovery was outside laboratory control limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

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11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPD0569

NCA CLIENT: Time Oil
REPORT TO: Joe Gardner
ADDRESS: SES
PHONE: 206/306/1900 FAX: 206/306-1907
PROJECT NAME: Time Oil HQ
PROJECT NUMBER: 01-600
SAMPLED BY: Cassandra/Maureen

INVOICE TO: Time Oil
P.O. NUMBER:

TURNAROUND REQUEST in Business Days*
Organic & Inorganic Analyses: STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: B by BTEX	PRESERVATIVE: B by NWTPH-Dx	REQUESTED ANALYSES: NWTPH-Gx	REQUESTED ANALYSES: BTEX	REQUESTED ANALYSES: NWTPH-Dx	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	B01-2	4/21/06 0930					X	S	5		-01
2	B01-5	0940							5		-02
3	B01-8	0950	/	/			X		5		-03
4	B01-13.5	1010							5		-04
5	B01-15	1015	/	/					5		-05
6	B01-21	1035	/	/			X		5		-06 (TB 4/21)
7	B01-25	1045							3		~~-07~~ -16
8	B01-26	1055							3		~~-08~~ -07
9	B02-5	1310	/	/			X		3		~~-09~~ -08
10	B02-7.5	1320	/	/					3		~~-10~~ -09

RELEASED BY: [signature] DATE: 4/21/06
PRINT NAME: Maureen Sanchez FIRM: SES TIME: 1610

RECEIVED BY: Colette Weaver DATE: 04.21.06
PRINT NAME: Colette Weaver FIRM: NCA TIME: 1610

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS: PLEASE RELOG SELECTED SAMPLES (X) FOR THE INDICATED ANALYSES 05.04.06

TEMP: 5.7°C

COC REV 09/04

PAGE 1 OF 2

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPD0569

NCA CLIENT: Time Oil
REPORT TO: Dee Gardner
ADDRESS: SES
PHONE: 206 306 1900 FAX: 206 306 1907
PROJECT NAME: Time Oil #10
PROJECT NUMBER: 01-600
SAMPLED BY: Cassandra/Maureen

INVOICE TO: Time Oil
P.O. NUMBER:

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: [X] 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: [X] 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE
REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Gx	BTEX by 8260B	NWTPH-Dx	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	B07-10.5	4/21/06 1330				S	5		~~-11~~ -10
2	B07-16.5	1350	/	/	X	↓	↓		~~-12~~ -11
3	B08-16.5	1350	/	/					~~-13~~ -12
4	B02-20	1410							~~-14~~ -13
5									
6									
7									
8									
9									
10									

TB 4/21

RELEASED BY: [signature] DATE: 4/21/06
PRINT NAME: Maureen Sanchez FIRM: SES TIME: 1610

RECEIVED BY: Colette Weaver DATE: 04-21-06
PRINT NAME: Colette Weaver FIRM: NCA TIME: 1610

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:
SEE P 1/2 [signature] 05.04.06

TEMP:

COC REV 09/04

PAGE 2 OF 2

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

September 25, 2006

Dee Gardner
Sound Environmental Strategies
2400 Airport Way South, Suite 200
Seattle, WA/USA 98134-2020

RE: Time Oil #01-427 - ASKO

Enclosed are the results of analyses for samples received by the laboratory on 09/13/06 15:30. The following list is a summary of the Work Orders contained in this report, generated on 09/25/06 14:24.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPI0373	Time Oil #01-427 - ASKO	0440-004-009

TestAmerica - Seattle, WA

Kate Haney, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB 65-2.5'	BPI0373-01	Soil	09/13/06 09:00	09/13/06 15:30
SB 65-22.5'	BPI0373-03	Soil	09/13/06 09:40	09/13/06 15:30
SB 65-25'	BPI0373-04	Soil	09/13/06 09:45	09/13/06 15:30
SB 65-27.5'	BPI0373-05	Soil	09/13/06 09:50	09/13/06 15:30
SB 66-2.5'	BPI0373-06	Soil	09/13/06 11:15	09/13/06 15:30
SB 66-22.5'	BPI0373-07	Soil	09/13/06 11:55	09/13/06 15:30
SB 66-25'	BPI0373-08	Soil	09/13/06 12:00	09/13/06 15:30
SB 67-2.5'	BPI0373-09	Soil	09/13/06 13:15	09/13/06 15:30
SB 67-22.5'	BPI0373-10	Soil	09/13/06 13:55	09/13/06 15:30
SB 67-27.5'	BPI0373-12	Soil	09/13/06 14:05	09/13/06 15:30

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-01 (SB 65-2.5')		**Soil**			**Sampled: 09/13/06 09:00**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.65	mg/kg dry	1x	6I17002	09/17/06 11:30	09/18/06 20:58	
Surrogate(s): 4-BFB (FID)			*86.4%*		*50 - 150 %*	"			"	
BPI0373-03 (SB 65-22.5')		**Soil**			**Sampled: 09/13/06 09:40**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	6.48	mg/kg dry	1x	6I17002	09/17/06 11:30	09/18/06 21:34	
Surrogate(s): 4-BFB (FID)			*88.2%*		*50 - 150 %*	"			"	
BPI0373-04 (SB 65-25')		**Soil**			**Sampled: 09/13/06 09:45**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.90	mg/kg dry	1x	6I17002	09/17/06 11:30	09/18/06 22:05	
Surrogate(s): 4-BFB (FID)			*87.6%*		*50 - 150 %*	"			"	
BPI0373-05 (SB 65-27.5')		**Soil**			**Sampled: 09/13/06 09:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.70	mg/kg dry	1x	6I17002	09/17/06 11:30	09/18/06 22:40	
Surrogate(s): 4-BFB (FID)			*87.9%*		*50 - 150 %*	"			"	
BPI0373-06 (SB 66-2.5')		**Soil**			**Sampled: 09/13/06 11:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**26.5**	-----	5.48	mg/kg dry	1x	6I17002	09/17/06 11:30	09/18/06 23:11	
Surrogate(s): 4-BFB (FID)			*91.8%*		*50 - 150 %*	"			"	
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.70	mg/kg dry	1x	6I17002	09/17/06 11:30	09/18/06 23:45	
Surrogate(s): 4-BFB (FID)			*87.9%*		*50 - 150 %*	"			"	
BPI0373-08 (SB 66-25')		**Soil**			**Sampled: 09/13/06 12:00**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.11	mg/kg dry	1x	6I17002	09/17/06 11:30	09/19/06 00:21	
Surrogate(s): 4-BFB (FID)			*89.6%*		*50 - 150 %*	"			"	
BPI0373-09 (SB 67-2.5')		**Soil**			**Sampled: 09/13/06 13:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**95.6**	-----	4.63	mg/kg dry	1x	6I17002	09/17/06 11:30	09/19/06 00:56	
Surrogate(s): 4-BFB (FID)			*101%*		*50 - 150 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-10 (SB 67-22.5')		**Soil**			**Sampled: 09/13/06 13:55**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.64	mg/kg dry	1x	6I17002	09/17/06 11:30	09/19/06 01:31	
Surrogate(s): 4-BFB (FID)			*89.4%*		*50 - 150 %*	"			"	
BPI0373-12 (SB 67-27.5')		**Soil**			**Sampled: 09/13/06 14:05**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.29	mg/kg dry	1x	6I17002	09/17/06 11:30	09/19/06 02:06	
Surrogate(s): 4-BFB (FID)			*89.0%*		*50 - 150 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-01 (SB 65-2.5')		**Soil**			**Sampled: 09/13/06 09:00**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.4	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 05:03	
Lube Oil Range Hydrocarbons	"	ND	-----	28.4	"	"	"	"	"	
Surrogate(s): 2-FBP			*101%*		*54 - 148 %*	"			"	
Octacosane			*101%*		*62 - 142 %*	"			"	
BPI0373-03 (SB 65-22.5')		**Soil**			**Sampled: 09/13/06 09:40**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.8	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 05:33	
Lube Oil Range Hydrocarbons	"	ND	-----	29.6	"	"	"	"	"	
Surrogate(s): 2-FBP			*95.3%*		*54 - 148 %*	"			"	
Octacosane			*97.3%*		*62 - 142 %*	"			"	
BPI0373-04 (SB 65-25')		**Soil**			**Sampled: 09/13/06 09:45**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12.1	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 08:10	
Lube Oil Range Hydrocarbons	"	ND	-----	30.3	"	"	"	"	"	
Surrogate(s): 2-FBP			*101%*		*54 - 148 %*	"			"	
Octacosane			*101%*		*62 - 142 %*	"			"	
BPI0373-06 (SB 66-2.5')		**Soil**			**Sampled: 09/13/06 11:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	**32.0**	-----	10.9	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 09:53	
Lube Oil Range Hydrocarbons	"	ND	-----	27.3	"	"	"	"	"	
Surrogate(s): 2-FBP			*95.5%*		*54 - 148 %*	"			"	
Octacosane			*88.6%*		*62 - 142 %*	"			"	
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.5	mg/kg dry	1x	6I15040	09/15/06 15:15	09/20/06 21:31	
Lube Oil Range Hydrocarbons	"	ND	-----	28.7	"	"	"	"	"	
Surrogate(s): 2-FBP			*95.2%*		*54 - 148 %*	"			"	
Octacosane			*104%*		*62 - 142 %*	"			"	
BPI0373-08 (SB 66-25')		**Soil**			**Sampled: 09/13/06 12:00**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	12.3	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 10:23	
Lube Oil Range Hydrocarbons	"	ND	-----	30.7	"	"	"	"	"	
Surrogate(s): 2-FBP			*95.3%*		*54 - 148 %*	"			"	
Octacosane			*93.9%*		*62 - 142 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-09 (SB 67-2.5')		**Soil**			**Sampled: 09/13/06 13:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	**182**	-----	11.9	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 10:53	
Lube Oil Range Hydrocarbons	"	ND	-----	29.7	"	"	"	"	"	
Surrogate(s): 2-FBP			*123%*		*54 - 148 %*	"			"	
Octacosane			*94.0%*		*62 - 142 %*	"			"	
BPI0373-10 (SB 67-22.5')		**Soil**			**Sampled: 09/13/06 13:55**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	10.9	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 11:23	
Lube Oil Range Hydrocarbons	"	ND	-----	27.2	"	"	"	"	"	
Surrogate(s): 2-FBP			*98.3%*		*54 - 148 %*	"			"	
Octacosane			*95.8%*		*62 - 142 %*	"			"	
BPI0373-12 (SB 67-27.5')		**Soil**			**Sampled: 09/13/06 14:05**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	11.9	mg/kg dry	1x	6I15040	09/15/06 15:15	09/21/06 11:53	
Lube Oil Range Hydrocarbons	"	ND	-----	29.7	"	"	"	"	"	
Surrogate(s): 2-FBP			*94.6%*		*54 - 148 %*	"			"	
Octacosane			*93.0%*		*62 - 142 %*	"			"	

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Kate Haney, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-01 (SB 65-2.5')		**Soil**			**Sampled: 09/13/06 09:00**					
Acetone	EPA 8260B	ND	-----	0.0287	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 06:42	
Benzene	"	ND	-----	0.00143	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00478	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00478	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00478	"	"	"	"	"	
Bromoform	"	ND	-----	0.00478	"	"	"	"	"	Q-41
Bromomethane	"	ND	-----	0.00957	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0143	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00478	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00478	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00478	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00287	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00478	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00191	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00478	"	"	"	"	"	
Chloroform	"	ND	-----	0.00239	"	"	"	"	"	
Chloromethane	"	ND	-----	0.00957	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00478	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00478	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00478	"	"	"	"	"	Q-41
1,2-Dibromo-3-chloropropane	"	ND	-----	0.00957	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00478	"	"	"	"	"	Q-41
Dibromomethane	"	ND	-----	0.00478	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00478	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00478	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00478	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00478	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00191	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00120	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00287	"	"	"	"	"	
cis-1,2-Dichloroethene	"	**0.00900**	-----	0.00287	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00239	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00478	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00478	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.00957	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00478	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00478	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00120	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00383	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.00957	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.000957	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0191	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00478	"	"	"	"	"	

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-01 (SB 65-2.5')		**Soil**			**Sampled: 09/13/06 09:00**					
p-Isopropyltoluene	EPA 8260B	ND	-----	0.00478	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 06:42	
4-Methyl-2-pentanone	"	ND	-----	0.0191	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00335	"	"	"	"	"	
Naphthalene	"	ND	-----	0.00957	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00478	"	"	"	"	"	
Styrene	"	ND	-----	0.000957	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.00957	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.00957	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00478	"	"	"	"	"	Q-41
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00478	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00191	"	"	"	"	"	Q-41
Toluene	"	ND	-----	0.00143	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00239	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00120	"	"	"	"	"	
Trichloroethene	"	**0.0385**	-----	0.00239	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00478	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00478	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00478	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00478	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00239	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00478	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00478	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.00957	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*60 - 140 %*	"			"	
Toluene-d8			*103%*		*60 - 140 %*	"			"	
4-BFB			*99.0%*		*60 - 140 %*	"			"	
BPI0373-04 (SB 65-25')		**Soil**			**Sampled: 09/13/06 09:45**					
Acetone	EPA 8260B	ND	-----	0.0328	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:06	
Benzene	"	ND	-----	0.00164	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00546	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00546	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00546	"	"	"	"	"	
Bromoform	"	ND	-----	0.00546	"	"	"	"	"	Q-41
Bromomethane	"	ND	-----	0.0109	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0164	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00328	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00546	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00218	"	"	"	"	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-04 (SB 65-25')		**Soil**			**Sampled: 09/13/06 09:45**					
Chloroethane	EPA 8260B	ND	-----	0.00546	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:06	
Chloroform	"	ND	-----	0.00273	"	"	"	"	"	
Chloromethane	"	ND	-----	0.0109	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00546	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00546	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00546	"	"	"	"	"	**Q-41**
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0109	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00546	"	"	"	"	"	**Q-41**
Dibromomethane	"	ND	-----	0.00546	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00546	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00546	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00546	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00546	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00218	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00137	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00328	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00328	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00273	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00546	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00546	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0109	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00546	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00546	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00137	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00437	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0109	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.00109	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0218	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.00546	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0218	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00382	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0109	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
Styrene	"	ND	-----	0.00109	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0109	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0109	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00546	"	"	"	"	"	**Q-41**
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00546	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00218	"	"	"	"	"	**Q-41**
Toluene	"	ND	-----	0.00164	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00273	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00137	"	"	"	"	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-04 (SB 65-25')		**Soil**			**Sampled: 09/13/06 09:45**					
Trichloroethene	EPA 8260B	ND	-----	0.00273	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:06	
Trichlorofluoromethane	"	ND	-----	0.00546	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00546	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00546	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00273	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00546	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00546	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.0109	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*97.3%*		*60 - 140 %*	"			"	
Toluene-d8			*107%*		*60 - 140 %*	"			"	
4-BFB			*108%*		*60 - 140 %*	"			"	
BPI0373-05 (SB 65-27.5')		**Soil**			**Sampled: 09/13/06 09:50**					
Acetone	EPA 8260B	ND	-----	0.0277	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:30	
Benzene	"	ND	-----	0.00139	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00462	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00462	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00462	"	"	"	"	"	
Bromoform	"	ND	-----	0.00462	"	"	"	"	"	Q-41
Bromomethane	"	ND	-----	0.00924	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0139	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00277	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00462	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00185	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00462	"	"	"	"	"	
Chloroform	"	ND	-----	0.00231	"	"	"	"	"	
Chloromethane	"	ND	-----	0.00924	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00462	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00462	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00462	"	"	"	"	"	Q-41
1,2-Dibromo-3-chloropropane	"	ND	-----	0.00924	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00462	"	"	"	"	"	Q-41
Dibromomethane	"	ND	-----	0.00462	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00462	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00462	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00462	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00462	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00185	"	"	"	"	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-05 (SB 65-27.5')		**Soil**			**Sampled: 09/13/06 09:50**					
1,2-Dichloroethane	EPA 8260B	ND	-----	0.00116	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:30	
1,1-Dichloroethene	"	ND	-----	0.00277	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00277	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00231	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00462	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00462	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.00924	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00462	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00462	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00116	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00370	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.00924	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.000924	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0185	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.00462	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0185	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00324	"	"	"	"	"	
Naphthalene	"	ND	-----	0.00924	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
Styrene	"	ND	-----	0.000924	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.00924	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.00924	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00462	"	"	"	"	"	Q-41
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00462	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00185	"	"	"	"	"	Q-41
Toluene	"	ND	-----	0.00139	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00231	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00116	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.00231	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00462	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00462	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00462	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00231	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00462	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00462	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.00924	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*60 - 140 %*	"			"	
Toluene-d8			*104%*		*60 - 140 %*	"			"	
4-BFB			*102%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-06 (SB 66-2.5')		**Soil**			**Sampled: 09/13/06 11:15**					
Acetone	EPA 8260B	**0.135**	-----	0.0300	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:54	
Benzene	"	ND	-----	0.00150	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00500	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00500	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00500	"	"	"	"	"	
Bromoform	"	ND	-----	0.00500	"	"	"	"	"	Q-41
Bromomethane	"	ND	-----	0.00999	"	"	"	"	"	
2-Butanone	"	**0.0194**	-----	0.0150	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00500	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00500	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00500	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00300	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00500	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00200	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00500	"	"	"	"	"	
Chloroform	"	ND	-----	0.00250	"	"	"	"	"	
Chloromethane	"	ND	-----	0.00999	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00500	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00500	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00500	"	"	"	"	"	Q-41
1,2-Dibromo-3-chloropropane	"	ND	-----	0.00999	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00500	"	"	"	"	"	Q-41
Dibromomethane	"	ND	-----	0.00500	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00500	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00500	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00500	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00500	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00200	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00125	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00300	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00300	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00250	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00500	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00500	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.00999	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00500	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00500	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00125	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00400	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.00999	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.000999	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0200	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00500	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-06 (SB 66-2.5')		**Soil**			**Sampled: 09/13/06 11:15**					
p-Isopropyltoluene	EPA 8260B	ND	-----	0.00500	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 07:54	
4-Methyl-2-pentanone	"	ND	-----	0.0200	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00350	"	"	"	"	"	
Naphthalene	"	**0.0268**	-----	0.00999	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00500	"	"	"	"	"	
Styrene	"	ND	-----	0.000999	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.00999	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.00999	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00500	"	"	"	"	"	Q-41
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00500	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00200	"	"	"	"	"	Q-41
Toluene	"	ND	-----	0.00150	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00250	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00125	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.00250	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00500	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00500	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	**0.00663**	-----	0.00500	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00500	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00250	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00500	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00500	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.00999	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*111%*		*60 - 140 %*	"			"	
Toluene-d8			*102%*		*60 - 140 %*	"			"	
4-BFB			*100%*		*60 - 140 %*	"			"	
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
Acetone	EPA 8260B	ND	-----	0.0314	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 08:18	
Benzene	"	**0.00238**	-----	0.00157	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00524	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00524	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00524	"	"	"	"	"	
Bromoform	"	ND	-----	0.00524	"	"	"	"	"	Q-41
Bromomethane	"	ND	-----	0.0105	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0157	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00314	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00524	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00210	"	"	"	"	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
Chloroethane	EPA 8260B	ND	-----	0.00524	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 08:18	
Chloroform	"	ND	-----	0.00262	"	"	"	"	"	
Chloromethane	"	ND	-----	0.0105	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00524	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00524	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00524	"	"	"	"	"	Q-41
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0105	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00524	"	"	"	"	"	Q-41
Dibromomethane	"	ND	-----	0.00524	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00524	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00524	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00524	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00524	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00210	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00131	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00314	"	"	"	"	"	
cis-1,2-Dichloroethene	"	**0.0368**	-----	0.00314	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00262	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00524	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00524	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0105	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00524	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00524	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00131	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00419	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0105	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.00105	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0210	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.00524	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0210	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00367	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0105	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
Styrene	"	ND	-----	0.00105	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0105	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0105	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00524	"	"	"	"	"	Q-41
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00524	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00210	"	"	"	"	"	Q-41
Toluene	"	ND	-----	0.00157	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00262	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00131	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
Trichloroethene	EPA 8260B	**0.499**	-----	0.00262	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 08:18	**E-01**
Trichlorofluoromethane	"	ND	-----	0.00524	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00524	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00524	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00262	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00524	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00524	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.0105	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*104%*		*60 - 140 %*	"			"	
Toluene-d8			*104%*		*60 - 140 %*	"			"	
4-BFB			*106%*		*60 - 140 %*	"			"	
BPI0373-08 (SB 66-25')		**Soil**			**Sampled: 09/13/06 12:00**					
Acetone	EPA 8260B	**0.134**	-----	0.0301	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 08:42	
Benzene	"	ND	-----	0.00150	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00501	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00501	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00501	"	"	"	"	"	
Bromoform	"	ND	-----	0.00501	"	"	"	"	"	**Q-41**
Bromomethane	"	ND	-----	0.0100	"	"	"	"	"	
2-Butanone	"	**0.0317**	-----	0.0150	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00301	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00501	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00201	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00501	"	"	"	"	"	
Chloroform	"	ND	-----	0.00251	"	"	"	"	"	
Chloromethane	"	ND	-----	0.0100	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00501	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00501	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00501	"	"	"	"	"	**Q-41**
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0100	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00501	"	"	"	"	"	**Q-41**
Dibromomethane	"	ND	-----	0.00501	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00501	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00501	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00501	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00501	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00201	"	"	"	"	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-08 (SB 66-25')		**Soil**			**Sampled: 09/13/06 12:00**					
1,2-Dichloroethane	EPA 8260B	ND	-----	0.00125	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 08:42	
1,1-Dichloroethene	"	ND	-----	0.00301	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00301	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00251	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00501	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00501	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0100	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00501	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00501	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00125	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00401	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0100	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.00100	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0201	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.00501	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0201	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00351	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0100	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
Styrene	"	ND	-----	0.00100	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0100	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0100	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00501	"	"	"	"	"	Q-41
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00501	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00201	"	"	"	"	"	Q-41
Toluene	"	ND	-----	0.00150	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00251	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00125	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.00251	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00501	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00501	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00501	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00251	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00501	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00501	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.0100	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*105%*		*60 - 140 %*	"			"	
Toluene-d8			*107%*		*60 - 140 %*	"			"	
4-BFB			*113%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-09 (SB 67-2.5')		**Soil**			**Sampled: 09/13/06 13:15**					
Acetone	EPA 8260B	**0.0393**	-----	0.0317	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 09:06	
Benzene	"	ND	-----	0.00159	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00529	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00529	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00529	"	"	"	"	"	
Bromoform	"	ND	-----	0.00529	"	"	"	"	"	Q-41
Bromomethane	"	ND	-----	0.0106	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0159	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00529	"	"	"	"	"	
sec-Butylbenzene	"	**0.0322**	-----	0.00529	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00529	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00317	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00529	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00212	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00529	"	"	"	"	"	
Chloroform	"	ND	-----	0.00264	"	"	"	"	"	
Chloromethane	"	ND	-----	0.0106	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00529	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00529	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00529	"	"	"	"	"	Q-41
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0106	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00529	"	"	"	"	"	Q-41
Dibromomethane	"	ND	-----	0.00529	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00529	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00529	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00529	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00529	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00212	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00132	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00317	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00317	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00264	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00529	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00529	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0106	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00529	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00529	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00132	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00423	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0106	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.00106	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0212	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00529	"	"	"	"	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-09 (SB 67-2.5')		**Soil**			**Sampled: 09/13/06 13:15**					
p-Isopropyltoluene	EPA 8260B	ND	-----	0.00529	mg/kg dry	1x	6I15043	09/15/06 15:56	09/16/06 09:06	
4-Methyl-2-pentanone	"	ND	-----	0.0212	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00370	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0106	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00529	"	"	"	"	"	
Styrene	"	ND	-----	0.00106	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0106	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0106	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00529	"	"	"	"	"	Q-41
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00529	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00212	"	"	"	"	"	Q-41
Toluene	"	ND	-----	0.00159	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00264	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00132	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.00264	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00529	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00529	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00529	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00529	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00264	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00529	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00529	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.0106	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*60 - 140 %*	"			"	
Toluene-d8			*106%*		*60 - 140 %*	"			"	
4-BFB			*101%*		*60 - 140 %*	"			"	
BPI0373-10 (SB 67-22.5')		**Soil**			**Sampled: 09/13/06 13:55**					
Acetone	EPA 8260B	ND	-----	0.0245	mg/kg dry	1x	6I18004	09/18/06 13:09	09/18/06 17:27	
Benzene	"	ND	-----	0.00123	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00409	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00409	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00409	"	"	"	"	"	
Bromoform	"	ND	-----	0.00409	"	"	"	"	"	
Bromomethane	"	ND	-----	0.00818	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0123	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00245	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00409	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00164	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-10 (SB 67-22.5')		**Soil**			**Sampled: 09/13/06 13:55**					
Chloroethane	EPA 8260B	ND	-----	0.00409	mg/kg dry	1x	6I18004	09/18/06 13:09	09/18/06 17:27	
Chloroform	"	ND	-----	0.00205	"	"	"	"	"	
Chloromethane	"	ND	-----	0.00818	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00409	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00409	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00409	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.00818	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00409	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.00409	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00409	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00409	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00409	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00409	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00164	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.00102	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.00245	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00245	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00205	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00409	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00409	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.00818	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00409	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00409	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00102	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00327	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.00818	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.000818	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0164	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.00409	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0164	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00286	"	"	"	"	"	
Naphthalene	"	ND	-----	0.00818	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
Styrene	"	ND	-----	0.000818	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.00818	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.00818	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00409	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00409	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00164	"	"	"	"	"	
Toluene	"	ND	-----	0.00123	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00205	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00102	"	"	"	"	"	

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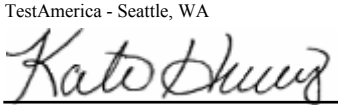

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-10 (SB 67-22.5')		**Soil**			**Sampled: 09/13/06 13:55**					
Trichloroethene	EPA 8260B	ND	-----	0.00205	mg/kg dry	1x	6I18004	09/18/06 13:09	09/18/06 17:27	
Trichlorofluoromethane	"	ND	-----	0.00409	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00409	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00409	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00205	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00409	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00409	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.00818	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*111%*		*60 - 140 %*	"			"	
Toluene-d8			*102%*		*60 - 140 %*	"			"	
4-BFB			*102%*		*60 - 140 %*	"			"	
BPI0373-12 (SB 67-27.5')		**Soil**			**Sampled: 09/13/06 14:05**					
Acetone	EPA 8260B	ND	-----	0.0336	mg/kg dry	1x	6I18004	09/18/06 13:09	09/18/06 17:51	
Benzene	"	ND	-----	0.00168	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.00559	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.00559	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.00559	"	"	"	"	"	
Bromoform	"	ND	-----	0.00559	"	"	"	"	"	
Bromomethane	"	ND	-----	0.0112	"	"	"	"	"	
2-Butanone	"	ND	-----	0.0168	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.00336	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.00559	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.00224	"	"	"	"	"	
Chloroethane	"	ND	-----	0.00559	"	"	"	"	"	
Chloroform	"	ND	-----	0.00280	"	"	"	"	"	
Chloromethane	"	ND	-----	0.0112	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.00559	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.00559	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.00559	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.0112	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.00559	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.00559	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.00559	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.00559	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.00559	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.00559	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.00224	"	"	"	"	"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-12 (SB 67-27.5')		**Soil**			**Sampled: 09/13/06 14:05**					
1,2-Dichloroethane	EPA 8260B	ND	-----	0.00140	mg/kg dry	1x	6I18004	09/18/06 13:09	09/18/06 17:51	
1,1-Dichloroethene	"	ND	-----	0.00336	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.00336	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.00280	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.00559	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.00559	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0112	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	0.00559	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.00559	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.00140	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.00447	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.0112	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.00112	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.0224	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	0.00559	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	0.0224	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.00391	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0112	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
Styrene	"	ND	-----	0.00112	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.0112	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.0112	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.00559	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	0.00559	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.00224	"	"	"	"	"	
Toluene	"	ND	-----	0.00168	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.00280	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.00140	"	"	"	"	"	
Trichloroethene	"	ND	-----	0.00280	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.00559	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.00559	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.00559	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.00280	"	"	"	"	"	
o-Xylene	"	ND	-----	0.00559	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.00559	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.0112	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*60 - 140 %*	"			"	
Toluene-d8			*108%*		*60 - 140 %*	"			"	
4-BFB			*111%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
Acetone	EPA 8260B	ND	-----	0.940	mg/kg dry	1x	6I18028	09/18/06 13:00	09/18/06 14:43	**Q-40**
Benzene	"	ND	-----	0.0940	"	"	"	"	"	
Bromobenzene	"	ND	-----	0.0940	"	"	"	"	"	
Bromochloromethane	"	ND	-----	0.0940	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	0.0940	"	"	"	"	"	
Bromoform	"	ND	-----	0.0940	"	"	"	"	"	
Bromomethane	"	ND	-----	0.0940	"	"	"	"	"	
2-Butanone	"	ND	-----	0.940	"	"	"	"	"	**Q-40**
n-Butylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
Carbon disulfide	"	ND	-----	0.0940	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	0.0940	"	"	"	"	"	
Chlorobenzene	"	ND	-----	0.0940	"	"	"	"	"	
Chloroethane	"	ND	-----	0.0940	"	"	"	"	"	
Chloroform	"	ND	-----	0.0940	"	"	"	"	"	
Chloromethane	"	ND	-----	0.470	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	0.0940	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	0.0940	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	0.0940	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	0.470	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.0940	"	"	"	"	"	
Dibromomethane	"	ND	-----	0.0940	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	0.0940	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	0.0940	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	0.0940	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	0.0940	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	0.0940	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	0.0940	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	0.0940	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	0.0940	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	0.0940	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	0.0940	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	0.0940	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	0.0940	"	"	"	"	"	**Q-41**
1,1-Dichloropropene	"	ND	-----	0.0940	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	0.0940	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	0.0940	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	0.470	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.470	"	"	"	"	"	
2-Hexanone	"	ND	-----	0.940	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	0.0940	"	"	"	"	"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
p-Isopropyltoluene	EPA 8260B	ND	-----	0.0940	mg/kg dry	1x	6I18028	09/18/06 13:00	09/18/06 14:43	
4-Methyl-2-pentanone	"	ND	-----	0.940	"	"	"	"	"	
Methylene chloride	"	ND	-----	0.940	"	"	"	"	"	
Naphthalene	"	ND	-----	0.470	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
Styrene	"	ND	-----	0.0940	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	0.470	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	0.470	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	0.0940	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	0.0940	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	0.0940	"	"	"	"	"	
Toluene	"	ND	-----	0.0940	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	0.0940	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	0.0940	"	"	"	"	"	
Trichloroethene	"	**1.82**	-----	0.0940	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	0.0940	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	0.0940	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	0.0940	"	"	"	"	"	
Vinyl chloride	"	ND	-----	0.0940	"	"	"	"	"	
Total Xylenes	"	ND	-----	0.282	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*99.2%*		*75 - 125 %*	"			"	
Toluene-d8			*109%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Physical Parameters by APHA/ASTM/EPA Methods

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-01 (SB 65-2.5')		**Soil**				**Sampled: 09/13/06 09:00**				
Dry Weight	BSOPSPL003R08	**88.3**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-03 (SB 65-22.5')		**Soil**				**Sampled: 09/13/06 09:40**				
Dry Weight	BSOPSPL003R08	**83.6**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-04 (SB 65-25')		**Soil**				**Sampled: 09/13/06 09:45**				
Dry Weight	BSOPSPL003R08	**83.4**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-05 (SB 65-27.5')		**Soil**				**Sampled: 09/13/06 09:50**				
Dry Weight	BSOPSPL003R08	**86.4**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-06 (SB 66-2.5')		**Soil**				**Sampled: 09/13/06 11:15**				
Dry Weight	BSOPSPL003R08	**90.3**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-07 (SB 66-22.5')		**Soil**				**Sampled: 09/13/06 11:55**				
Dry Weight	BSOPSPL003R08	**86.1**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-08 (SB 66-25')		**Soil**				**Sampled: 09/13/06 12:00**				
Dry Weight	BSOPSPL003R08	**82.0**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-09 (SB 67-2.5')		**Soil**				**Sampled: 09/13/06 13:15**				
Dry Weight	BSOPSPL003R08	**84.7**	-----	1.00	%	1x	6I16014	09/16/06 15:00	09/18/06 00:00	
BPI0373-10 (SB 67-22.5')		**Soil**				**Sampled: 09/13/06 13:55**				
Dry Weight	BSOPSPL003R08	**90.4**	-----	1.00	%	1x	6I16015	09/16/06 15:01	09/18/06 00:00	
BPI0373-12 (SB 67-27.5')		**Soil**				**Sampled: 09/13/06 14:05**				
Dry Weight	BSOPSPL003R08	**84.5**	-----	1.00	%	1x	6I16015	09/16/06 15:01	09/18/06 00:00	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-01 (SB 65-2.5')		**Soil**			**Sampled: 09/13/06 09:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.56	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 06:16	
tert-Butyl Alcohol	"	ND	-----	5.6	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.06	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.06	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.56	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.56	"	"	"	"	"	
Ethanol	"	ND	-----	23	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.56	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Toluene-d8			*100%*		*75 - 125 %*	"			"	
4-BFB			*98.2%*		*75 - 125 %*	"			"	
BPI0373-04 (SB 65-25')		**Soil**			**Sampled: 09/13/06 09:45**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.59	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 06:45	
tert-Butyl Alcohol	"	ND	-----	5.9	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.06	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.06	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.59	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.59	"	"	"	"	"	
Ethanol	"	ND	-----	24	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.59	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Toluene-d8			*100%*		*75 - 125 %*	"			"	
4-BFB			*100%*		*75 - 125 %*	"			"	
BPI0373-05 (SB 65-27.5')		**Soil**			**Sampled: 09/13/06 09:50**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.47	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 07:15	
tert-Butyl Alcohol	"	ND	-----	4.7	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.05	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.47	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.47	"	"	"	"	"	
Ethanol	"	ND	-----	19	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.47	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*98.9%*		*75 - 125 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-06 (SB 66-2.5')		**Soil**			**Sampled: 09/13/06 11:15**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.55	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 07:45	
tert-Butyl Alcohol	"	ND	-----	5.5	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.06	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.06	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.55	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.55	"	"	"	"	"	
Ethanol	"	ND	-----	22	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.55	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*75 - 125 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*98.2%*		*75 - 125 %*	"			"	
BPI0373-07 (SB 66-22.5')		**Soil**			**Sampled: 09/13/06 11:55**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.47	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 08:15	
tert-Butyl Alcohol	"	ND	-----	4.7	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.05	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.47	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.47	"	"	"	"	"	
Ethanol	"	ND	-----	19	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.47	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Toluene-d8			*102%*		*75 - 125 %*	"			"	
4-BFB			*98.4%*		*75 - 125 %*	"			"	
BPI0373-08 (SB 66-25')		**Soil**			**Sampled: 09/13/06 12:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.51	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 08:44	
tert-Butyl Alcohol	"	ND	-----	5.1	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.05	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.51	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.51	"	"	"	"	"	
Ethanol	"	ND	-----	20	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.51	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*98.0%*		*75 - 125 %*	"			"	

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPI0373-09 (SB 67-2.5')		**Soil**			**Sampled: 09/13/06 13:15**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.46	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 09:14	
tert-Butyl Alcohol	"	ND	-----	4.6	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.05	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.46	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.46	"	"	"	"	"	
Ethanol	"	ND	-----	19	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.46	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*105%*		*75 - 125 %*	"			"	
Toluene-d8			*98.9%*		*75 - 125 %*	"			"	
4-BFB			*96.2%*		*75 - 125 %*	"			"	
BPI0373-10 (SB 67-22.5')		**Soil**			**Sampled: 09/13/06 13:55**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.56	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 09:59	
tert-Butyl Alcohol	"	ND	-----	5.6	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.06	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.06	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.56	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.56	"	"	"	"	"	
Ethanol	"	ND	-----	23	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.56	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*99.1%*		*75 - 125 %*	"			"	
4-BFB			*98.2%*		*75 - 125 %*	"			"	
BPI0373-12 (SB 67-27.5')		**Soil**			**Sampled: 09/13/06 14:05**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.53	mg/kg dry	1x	6I15053	09/15/06 20:00	09/16/06 10:29	
tert-Butyl Alcohol	"	ND	-----	5.3	"	"	"	"	"	
1,2-Dibromoethane (EDB)	"	ND	-----	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	-----	0.05	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.53	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.53	"	"	"	"	"	
Ethanol	"	ND	-----	21	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.53	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*98.6%*		*75 - 125 %*	"			"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I17002 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I17002-BLK1)								**Extracted: 09/17/06 11:30**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	09/18/06 13:50	
Surrogate(s): 4-BFB (FID)		*Recovery: 85.7%*			*Limits: 50-150%*	*"*							*09/18/06 13:50*	
LCS (6I17002-BS1)								**Extracted: 09/17/06 11:30**						
Gasoline Range Hydrocarbons	NWTPH-Gx	49.6	---	5.00	mg/kg wet	1x	--	50.0	99.2%	(75-125)	--	--	09/18/06 14:24	
Surrogate(s): 4-BFB (FID)		*Recovery: 91.3%*			*Limits: 50-150%*	*"*							*09/18/06 14:24*	
Duplicate (6I17002-DUP1)							**QC Source: BPI0268-03RE1**			**Extracted: 09/17/06 11:30**				
Gasoline Range Hydrocarbons	NWTPH-Gx	660	---	50.0	mg/kg wet	10x	553	--	--	--	17.6%	(40)	09/18/06 17:08	
Surrogate(s): 4-BFB (FID)		*Recovery: 117%*			*Limits: 50-150%*	*1x*							*09/18/06 17:08*	
Duplicate (6I17002-DUP2)							**QC Source: BPI0373-12**			**Extracted: 09/18/06 09:51**				
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.92	mg/kg dry	1x	ND	--	--	--	41.6%	(40)	09/19/06 04:21	**RP-4**
Surrogate(s): 4-BFB (FID)		*Recovery: 86.5%*			*Limits: 50-150%*	*"*							*09/19/06 04:21*	
Matrix Spike (6I17002-MS1)							**QC Source: BPI0268-03RE1**			**Extracted: 09/18/06 09:51**				
Gasoline Range Hydrocarbons	NWTPH-Gx	1230	---	50.0	mg/kg wet	10x	553	500	135%	(42-125)	--	--	09/18/06 18:14	**MS-4**
Surrogate(s): 4-BFB (FID)		*Recovery: 124%*			*Limits: 50-150%*	*1x*							*09/18/06 18:14*	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I15040 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I15040-BLK1)									**Extracted: 09/15/06 15:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	09/20/06 18:01	
Lube Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 95.7%*			*Limits: 54-148%*	"							*09/20/06 18:01*	
Octacosane		*95.9%*			*62-142%*	"							"	
LCS (6I15040-BS1)									**Extracted: 09/15/06 15:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	64.8	---	10.0	mg/kg wet	1x	--	66.7	97.2%	(78-129)	--	--	09/20/06 18:31	
Surrogate(s): 2-FBP		*Recovery: 92.2%*			*Limits: 54-148%*	"							*09/20/06 18:31*	
Octacosane		*92.4%*			*62-142%*	"							"	
Duplicate (6I15040-DUP1)					**QC Source: BPI0373-07**				**Extracted: 09/15/06 15:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	11.7	mg/kg dry	1x	ND	--	--	--	NR	(40)	09/20/06 19:01	
Lube Oil Range Hydrocarbons	"	ND	---	29.2	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 2-FBP		*Recovery: 99.1%*			*Limits: 54-148%*	"							*09/20/06 19:01*	
Octacosane		*97.6%*			*62-142%*	"							"	
Duplicate (6I15040-DUP2)					**QC Source: BPI0368-03**				**Extracted: 09/15/06 15:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	104	mg/kg dry	10x	105	--	--	--	1.92%	(40)	09/20/06 19:31	
Lube Oil Range Hydrocarbons	"	583	---	261	"	"	588	--	--	--	0.854%	"	"	
Surrogate(s): 2-FBP		*Recovery: 58.1%*			*Limits: 54-148%*	"							*09/20/06 19:31*	
Octacosane		*95.3%*			*62-142%*	"							"	
Matrix Spike (6I15040-MS1)					**QC Source: BPI0373-07**				**Extracted: 09/15/06 15:15**					
Diesel Range Hydrocarbons	NWTPH-Dx	82.5	---	11.5	mg/kg dry	1x	ND	76.4	108%	(46-155)	--	--	09/20/06 20:01	
Surrogate(s): 2-FBP		*Recovery: 117%*			*Limits: 54-148%*	"							*09/20/06 20:01*	
Octacosane		*108%*			*62-142%*	"							"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I15043 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I15043-BLK1)							**Extracted: 09/15/06 15:56**							
Acetone	EPA 8260B	ND	---	0.0300	mg/kg wet	1x	--	--	--	--	--	--	09/16/06 02:17	
Benzene	"	ND	---	0.00150	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	Q-41
Bromomethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	0.0150	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	Q-41
1,2-Dibromo-3-chloropropane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	Q-41
Dibromomethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.00400	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I15043 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I15043-BLK1)							**Extracted: 09/15/06 15:56**							
Hexachlorobutadiene	EPA 8260B	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	09/16/06 02:17	
Methyl tert-butyl ether	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.00350	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	**Q-41**
1,1,2,2-Tetrachloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	**Q-41**
Toluene	"	ND	---	0.00150	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 108%*			*Limits: 60-140%*	"							*09/16/06 02:17*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I15043 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6I15043-BS1)								**Extracted: 09/15/06 15:56**						
Acetone	EPA 8260B	0.303	---	0.0300	mg/kg wet	1x	--	0.400	75.8%	(70-130)	--	--	09/16/06 01:29	
Benzene	"	0.0366	---	0.00150	"	"	--	0.0400	91.5%	"	--	--	"	
2-Butanone	"	0.325	---	0.0150	"	"	--	0.400	81.2%	"	--	--	"	
Carbon disulfide	"	0.0379	---	0.00300	"	"	--	0.0400	94.8%	"	--	--	"	
Chlorobenzene	"	0.0427	---	0.00200	"	"	--	"	107%	"	--	--	"	
1,1-Dichloroethane	"	0.0363	---	0.00200	"	"	--	"	90.8%	"	--	--	"	
1,1-Dichloroethene	"	0.0363	---	0.00300	"	"	--	"	90.8%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0374	---	0.00300	"	"	--	"	93.5%	"	--	--	"	
Ethylbenzene	"	0.0420	---	0.00400	"	"	--	"	105%	"	--	--	"	
Hexachlorobutadiene	"	0.0424	---	0.0100	"	"	--	"	106%	"	--	--	"	
4-Methyl-2-pentanone	"	0.358	---	0.0200	"	"	--	0.400	89.5%	"	--	--	"	
Tetrachloroethene	"	0.0432	---	0.00200	"	"	--	0.0400	108%	"	--	--	"	Q-41
Toluene	"	0.0413	---	0.00150	"	"	--	"	103%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0377	---	0.00250	"	"	--	"	94.2%	"	--	--	"	
Trichloroethene	"	0.0400	---	0.00250	"	"	--	"	100%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 97.8%*			*Limits: 60-140%*	"							*09/16/06 01:29*	
Toluene-d8		*106%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	
LCS Dup (6I15043-BSD1)								**Extracted: 09/15/06 15:56**						
Acetone	EPA 8260B	0.325	---	0.0300	mg/kg wet	1x	--	0.400	81.2%	(70-130)	7.01%	(30)	09/16/06 01:53	
Benzene	"	0.0371	---	0.00150	"	"	--	0.0400	92.8%	"	1.36%	"	"	
2-Butanone	"	0.335	---	0.0150	"	"	--	0.400	83.8%	"	3.03%	"	"	
Carbon disulfide	"	0.0386	---	0.00300	"	"	--	0.0400	96.5%	"	1.83%	"	"	
Chlorobenzene	"	0.0421	---	0.00200	"	"	--	"	105%	"	1.42%	"	"	
1,1-Dichloroethane	"	0.0372	---	0.00200	"	"	--	"	93.0%	"	2.45%	"	"	
1,1-Dichloroethene	"	0.0378	---	0.00300	"	"	--	"	94.5%	"	4.05%	"	"	
cis-1,2-Dichloroethene	"	0.0379	---	0.00300	"	"	--	"	94.8%	"	1.33%	"	"	
Ethylbenzene	"	0.0418	---	0.00400	"	"	--	"	104%	"	0.477%	"	"	
Hexachlorobutadiene	"	0.0400	---	0.0100	"	"	--	"	100%	"	5.83%	"	"	
4-Methyl-2-pentanone	"	0.362	---	0.0200	"	"	--	0.400	90.5%	"	1.11%	"	"	
Tetrachloroethene	"	0.0430	---	0.00200	"	"	--	0.0400	108%	"	0.464%	"	"	Q-41
Toluene	"	0.0411	---	0.00150	"	"	--	"	103%	"	0.485%	"	"	
1,1,1-Trichloroethane	"	0.0386	---	0.00250	"	"	--	"	96.5%	"	2.36%	"	"	
Trichloroethene	"	0.0404	---	0.00250	"	"	--	"	101%	"	0.995%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.5%*			*Limits: 60-140%*	"							*09/16/06 01:53*	
Toluene-d8		*105%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I18004 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I18004-BLK1)								**Extracted: 09/18/06 13:09**						
Acetone	EPA 8260B	ND	---	0.0300	mg/kg wet	1x	--	--	--	--	--	--	09/18/06 14:58	
Benzene	"	ND	---	0.00150	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	0.0150	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.00300	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.00400	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I18004 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I18004-BLK1)							**Extracted: 09/18/06 13:09**							
Hexachlorobutadiene	EPA 8260B	ND	---	0.0100	mg/kg wet	1x	--	--	--	--	--	--	09/18/06 14:58	
Methyl tert-butyl ether	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	0.0200	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	0.00350	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.00200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.00150	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.00125	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.00250	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.0100	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 116%*			*Limits: 60-140%*	"							*09/18/06 14:58*	
Toluene-d8		*96.5%*			*60-140%*	"							"	
4-BFB		*102%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I18004 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6I18004-BS1)								**Extracted: 09/18/06 13:09**						
Acetone	EPA 8260B	0.375	---	0.0300	mg/kg wet	1x	--	0.400	93.8%	(70-130)	--	--	09/18/06 14:10	
Benzene	"	0.0369	---	0.00150	"	"	--	0.0400	92.2%	"	--	--	"	
2-Butanone	"	0.388	---	0.0150	"	"	--	0.400	97.0%	"	--	--	"	
Carbon disulfide	"	0.0380	---	0.00300	"	"	--	0.0400	95.0%	"	--	--	"	
Chlorobenzene	"	0.0378	---	0.00200	"	"	--	"	94.5%	"	--	--	"	
1,1-Dichloroethane	"	0.0373	---	0.00200	"	"	--	"	93.3%	"	--	--	"	
1,1-Dichloroethene	"	0.0361	---	0.00300	"	"	--	"	90.2%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0391	---	0.00300	"	"	--	"	97.8%	"	--	--	"	
Ethylbenzene	"	0.0368	---	0.00400	"	"	--	"	92.0%	"	--	--	"	
Hexachlorobutadiene	"	0.0383	---	0.0100	"	"	--	"	95.8%	"	--	--	"	
4-Methyl-2-pentanone	"	0.406	---	0.0200	"	"	--	0.400	102%	"	--	--	"	
Tetrachloroethene	"	0.0381	---	0.00200	"	"	--	0.0400	95.2%	"	--	--	"	
Toluene	"	0.0378	---	0.00150	"	"	--	"	94.5%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0378	---	0.00250	"	"	--	"	94.5%	"	--	--	"	
Trichloroethene	"	0.0387	---	0.00250	"	"	--	"	96.8%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 104%*			*Limits: 60-140%*	"							*09/18/06 14:10*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*101%*			*60-140%*	"							"	
LCS Dup (6I18004-BSD1)								**Extracted: 09/18/06 13:09**						
Acetone	EPA 8260B	0.343	---	0.0300	mg/kg wet	1x	--	0.400	85.8%	(70-130)	8.91%	(30)	09/18/06 14:34	
Benzene	"	0.0375	---	0.00150	"	"	--	0.0400	93.8%	"	1.61%	"	"	
2-Butanone	"	0.363	---	0.0150	"	"	--	0.400	90.8%	"	6.66%	"	"	
Carbon disulfide	"	0.0376	---	0.00300	"	"	--	0.0400	94.0%	"	1.06%	"	"	
Chlorobenzene	"	0.0393	---	0.00200	"	"	--	"	98.2%	"	3.89%	"	"	
1,1-Dichloroethane	"	0.0373	---	0.00200	"	"	--	"	93.3%	"	0.00%	"	"	
1,1-Dichloroethene	"	0.0369	---	0.00300	"	"	--	"	92.2%	"	2.19%	"	"	
cis-1,2-Dichloroethene	"	0.0388	---	0.00300	"	"	--	"	97.0%	"	0.770%	"	"	
Ethylbenzene	"	0.0389	---	0.00400	"	"	--	"	97.2%	"	5.55%	"	"	
Hexachlorobutadiene	"	0.0408	---	0.0100	"	"	--	"	102%	"	6.32%	"	"	
4-Methyl-2-pentanone	"	0.390	---	0.0200	"	"	--	0.400	97.5%	"	4.02%	"	"	
Tetrachloroethene	"	0.0400	---	0.00200	"	"	--	0.0400	100%	"	4.87%	"	"	
Toluene	"	0.0397	---	0.00150	"	"	--	"	99.3%	"	4.90%	"	"	
1,1,1-Trichloroethane	"	0.0381	---	0.00250	"	"	--	"	95.2%	"	0.791%	"	"	
Trichloroethene	"	0.0398	---	0.00250	"	"	--	"	99.5%	"	2.80%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.3%*			*Limits: 60-140%*	"							*09/18/06 14:34*	
Toluene-d8		*103%*			*60-140%*	"							"	
4-BFB		*99.3%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 6I18028 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I18028-BLK1)							**Extracted: 09/18/06 13:00**							
n-Hexane	EPA 8260B	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	09/18/06 14:14	
Acetone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	**Q-40**
Benzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	**Q-40**
n-Butylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	**Q-41**
1,1-Dichloropropene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	

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PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 6I18028 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I18028-BLK1)							**Extracted: 09/18/06 13:00**							
Ethylbenzene	EPA 8260B	ND	---	0.100	mg/kg wet	1x	--	--	--	--	--	--	09/18/06 14:14	
Hexachlorobutadiene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	---	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 97.2%*			*Limits: 75-125%*	"							*09/18/06 14:14*	
Toluene-d8		*108%*			*75-125%*	"							"	
4-BFB		*104%*			*75-125%*	"							"	

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Kate Haney, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I18028 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6I18028-BS1)							**Extracted: 09/18/06 13:00**							
n-Hexane	EPA 8260B	2.26	---	0.500	mg/kg wet	1x	--	2.00	113%	(75-125)	--	--	09/18/06 13:08	
Benzene	"	1.87	---	0.100	"	"	--	"	93.5%	"	--	--	"	
Chlorobenzene	"	2.08	---	0.100	"	"	--	"	104%	"	--	--	"	
1,1-Dichloroethene	"	1.95	---	0.100	"	"	--	"	97.5%	(69-128)	--	--	"	
Trichloroethene	"	1.78	---	0.100	"	"	--	"	89.0%	(75-125)	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 97.0%*			*Limits: 75-125%*	"							*09/18/06 13:08*	
Toluene-d8		*108%*			*75-125%*	"							"	
4-BFB		*105%*			*75-125%*	"							"	
LCS Dup (6I18028-BSD1)							**Extracted: 09/18/06 13:00**							
n-Hexane	EPA 8260B	2.11	---	0.500	mg/kg wet	1x	--	2.00	106%	(75-125)	6.86%	(20)	09/18/06 13:43	
Benzene	"	1.77	---	0.100	"	"	--	"	88.5%	"	5.49%	"	"	
Chlorobenzene	"	1.96	---	0.100	"	"	--	"	98.0%	"	5.94%	"	"	
1,1-Dichloroethene	"	1.80	---	0.100	"	"	--	"	90.0%	(69-128)	8.00%	"	"	
Trichloroethene	"	1.70	---	0.100	"	"	--	"	85.0%	(75-125)	4.60%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 96.5%*			*Limits: 75-125%*	"							*09/18/06 13:43*	
Toluene-d8		*105%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I16014 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I16014-BLK1)													**Extracted: 09/16/06 15:00**	
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	09/18/06 00:00	

QC Batch: 6I16015 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I16015-BLK1)													**Extracted: 09/16/06 15:01**	
Dry Weight	BSOPSPL00 3R08	99.8	---	1.00	%	1x	--	--	--	--	--	--	09/18/06 00:00	

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Kate Haney, Project Manager

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Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I15053 **Soil Preparation Method: EPA 5030B [MeOH]**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I15053-BLK1)									**Extracted: 09/15/06 20:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	09/16/06 04:02	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 106%*			*Limits: 75-125%*	"							*09/16/06 04:02*	
Toluene-d8		*102%*			*75-125%*	"							"	
4-BFB		*97.5%*			*75-125%*	"							"	
LCS (6I15053-BS1)									**Extracted: 09/15/06 20:00**					
tert-Butyl Alcohol	EPA 8260B	9.8	---	5.0	mg/kg wet	1x	--	10.0	98.0%	(70-130)	--	--	09/16/06 03:02	
Diisopropyl ether	"	2.1	---	0.50	"	"	--	2.00	105%	"	--	--	"	
Methyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 106%*			*Limits: 75-125%*	"							*09/16/06 03:02*	
Toluene-d8		*102%*			*75-125%*	"							"	
4-BFB		*96.5%*			*75-125%*	"							"	
LCS Dup (6I15053-BSD1)									**Extracted: 09/15/06 20:00**					
tert-Butyl Alcohol	EPA 8260B	10	---	5.0	mg/kg wet	1x	--	10.0	100%	(70-130)	2.02%	(40)	09/16/06 03:32	
Diisopropyl ether	"	2.0	---	0.50	"	"	--	2.00	100%	"	4.88%	"	"	
Methyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	"	0.00%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 104%*			*Limits: 75-125%*	"							*09/16/06 03:32*	
Toluene-d8		*101%*			*75-125%*	"							"	
4-BFB		*95.0%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Kate Haney, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Sound Environmental Strategies	Project Name:	**Time Oil #01-427 - ASKO**	
2400 Airport Way South, Suite 200	Project Number:	0440-004-009	Report Created:
Seattle, WA/USA 98134-2020	Project Manager:	Dee Gardner	09/25/06 14:24

Notes and Definitions

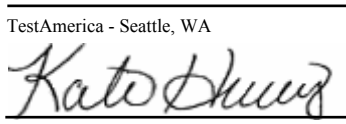
Report Specific Notes:

E-01	-	Estimated value. The reported value exceeds the capacity of the detector and therefore is unreliable.
MS-4	-	Due to high levels of analyte in the sample, the Matrix Spike/Matrix Spike Duplicate calculation does not provide useful spike recovery information. See Laboratory Control Sample.
Q-40	-	This analyte had a low bias in the associated calibration verification standard.
Q-41	-	This analyte had a high bias in the associated calibration verification standard.
RP-4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA



Kate Haney, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210 X
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9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPI0373

NCA CLIENT: Time Oil

REPORT TO: Dee Gardener

ADDRESS: 2400 Alaskan Way S Suite 200 Seattle WA 98134

PHONE: 206-306-1900 FAX: 206-306-1907

INVOICE TO: Time Oil 2737 W. Commodore Way Seattle WA

P.O. NUMBER:

PROJECT NAME: Time Oil - Asko

PROJECT NUMBER: 0440-004-009

SAMPLED BY: AS / EKR

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: X STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Dx	8260B	NWTPH-Dx	Oxygenates	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SB65-2.5'	9/13/06 900	X	X	X	X	S	5	SB65	-01
2	SB65-15'	9/13/06 925				X			SB65	-02
3	SB65-22.5'	9/13/06 940	X	X #5	X	X			SB65	-03
4	SB65-25	9/13/06 945	X	X	X	X			SB65	-04
5	SB65-27.5'	9/13/06 950	X	X		X			SB65	-05
6	SB66-2.5'	9/13/06 1115	X	X	X	X			SB66	-06
7	SB66-22.5'	9/13/06 1155	X	X	X	X			SB66	-07
8	SB66-25	9/13/06 1200	X	X	X	X	✓	✓	SB66	-08
9	SB67-2.5	9/13/06 1315	X	X	X	X	S	5	SB67	-09
10	SB67-22.5	9/13/06 1355	X	X	X	X	S	5	SB67	-10

hold

Revised Chain of Custody

RELEASED BY:	DATE: 13 Sept 06	RECEIVED BY: Colette Weaver	DATE: 09-13-06
PRINT NAME: Erik K. Dahlman FIRM: SES	TIME: 1530	PRINT NAME: Colette Weaver FIRM: TestAmerica	TIME: 1530
RELEASED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME: FIRM:	TIME:	PRINT NAME: FIRM:	TIME:

ADDITIONAL REMARKS: (X) per D. Gardner 9/14/06

TEMP: 6.5 w/c

COC REV 09/04

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPI0373

NCA CLIENT: Time Oil

REPORT TO: Dee Gardener

ADDRESS: 2400 Airport Way S Suite 200 Seattle WA 98134

PHONE: 206-306-1400 FAX: 206-306-1407

INVOICE TO: Time Oil 2737 W. Commodore way Seattle WA

P.O. NUMBER:

PROJECT NAME: Time Oil – Asko

PROJECT NUMBER: 0440-004-009

SAMPLED BY: LS / EKR

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Dx	8260 B	NWTPH-Dx Organics										MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SB67-25	9/13/06 1400				hold									S	5	SB67	-11
2	SB67-27.5	9/13/06 1405	X	X	X	(X)									S	5	SB67	-12
3																		
4	Trip Blanks	w/methanol		R											methanol	2		-13
5	Temp Blank														W	1		
6																		
7																		
8																		
9																		
10																		

Revised Chain of Custody

RELEASED BY:		DATE: 13 Sept 06	RECEIVED BY: Colette Weaver	DATE: 09.13.06	
PRINT NAME: Erik Rothman	FIRM: STS	TIME: 1530	PRINT NAME: Colette Weaver	FIRM: TestAmerica	TIME: 1530
RELEASED BY:		DATE:	RECEIVED BY:	DATE:	
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210 ☒
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290 ☐
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ☐
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588 ☐
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210 ☐

CHAIN OF CUSTODY REPORT

Work Order #: BPI0373

NCA CLIENT: Time Oil

REPORT TO: Dee Bardenever

ADDRESS: 2400 Alaskan Way S Suite 200 Seattle WA 98134

PHONE: 206-306-1900 FAX: 206-306-1907

INVOICE TO: Time Oil
2737 W. Commodore Way
Seattle WA

P.O. NUMBER:

PROJECT NAME: Time Oil - Asko

PROJECT NUMBER: 0440-004-009

SAMPLED BY: AS / EKR

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: STD | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Gx	8260B	NWTPH-Dx	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SB65-2.5'	9/13/06 900	X	X	X	S	5	SB65	-01
2	SB65-15'	9/13/06 925						SB65	-02
3	SB65-22.5	9/13/06 940	X	X	X			SB65	-03
4	SB65-25	9/13/06 945	X	X	X			SB65	-04
5	SB65-27.5'	9/13/06 950	X	X				SB65	-05
6	SB66-2.5'	9/13/06 1115	X	X	X			SB66	-06
7	SB66-22.5'	9/13/06 1155	X	X	X			SB66	-07
8	SB66-25	9/13/06 1200	X	X	X	↓	↓	SB66	-08
9	SB67-2.5	9/13/06 1315	X	X	X	S	5	SB67	-09
10	SB67-22.5	9/13/06 1355	X	X	X	S	5	SB67	-10

hold

RELEASED BY: [signature] DATE: 13 Sept 06
PRINT NAME: Erik Rothman FIRM: STS TIME: 1530

RECEIVED BY: Colette Weaver DATE: 09.13.06
PRINT NAME: Colette Weaver FIRM: TestAmerica TIME: 1530

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 6.5 w/o

COC REV 09/04

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPI0373

NCA CLIENT: Time Oil
REPORT TO: Dee Gardener
ADDRESS: 2400 Airport Way S Suite 200 Seattle WA 98134
PHONE: 206-306-1900 FAX: 206-306-1907

INVOICE TO: Time Oil 2737 W. Commodore way Seattle WA
P.O. NUMBER:

PROJECT NAME: ~~Time Oil~~ Time Oil - Asko
PROJECT NUMBER: 0440-004-009
SAMPLED BY: AS / EKR

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: ~~5~~ STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: NWTPH-GX	8260 B	NWTPH-Dx										MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	SB67-25	9/13/06 1400											hold			S	5	SB67	-11
2	SB67-27.5	9/13/06 1405		X	X	X										S	5	SB67	-12
3																			
4	Trip Blanks	w/methanol			R											methanol	2		-13
5	Temp Blank															W	1		
6																			
7																			
8																			
9																			
10																			

RELEASED BY: [signature] DATE: 8 Sept 06
PRINT NAME: Erik. Rothman FIRM: ~~NCA~~ TIME: 1530

RECEIVED BY: Colette Weaver DATE: 09-13-06
PRINT NAME: Colette Weaver FIRM: TestAmerica TIME: 1530

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP:

COC REV 09/04

712046

SAMPLE CHAIN OF CUSTODY

ME 12/05/07

BI3/V54

Page # 1 of 1

Send Report To Dee Gardner

Company Sound Env. Strategies

Address 2400 Airport Wy S

City, State, ZIP Seattle WA

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO. ~~B~~ TOC Holdings Co. 01-600 Seattle Terminal

PO #

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Total Pb	Lab Pb	Notes
B73-05	B73	5	01 A-E	12/5/07	1100	Soil	5								X	sample label B73-5 @ 12/5
B73-10	B73	10	02 A-E		1105										X	
B73-12.5	B73	12.5	03 A-E		1107										X	
B73-15	B73	15	04 A-E		1110			X	X	X	X			X		
B73-17.5	B73	17.5	05 A-E		1115										X	
B73-20	B73	20	06 A-E		1120			X	X	X	X			X		
B74-05	B74	5	07 A-E		1325			X	X	X	X			X		sample label B74-5 @ 12/5
B74-10	B74	10	08 A-E		1330			X	X	X	X			X		
B74-12.5	B74	12.5	09 A-E		1340			X	X	X	X			X		
B74-15	B74	15	10 A-E		1350											

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Cassandra Dijstelbergen	SES	12/5/07	1410
Received by:		Nhan Phan	FEBI	12/5/07	2:10
Relinquished by:					
Received by:			Samples received at 11	°C	

FORMS\COC\SESGEMSR1.DOC (Revision 1)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 13, 2007

Dee Gardner, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Ms. Gardner:

Included are the results from the testing of material submitted on December 5, 2007 from the TOC_01-600_20071205 WORFDB1, F&BI 712046 project. There are 22 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler
SOU1213R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 5, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies Corporation TOC_01-600_20071205 WORFDB1, F&BI 712046 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies Corporation
712046-01	B73-05
712046-02	B73-10
712046-03	B73-12.5
712046-04	B73-15
712046-05	B73-17.5
712046-06	B73-20
712046-07	B74-05
712046-08	B74-10
712046-09	B74-12.5
712046-10	B74-15

All quality control requirements were acceptable.

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046
Date Extracted: 12/06/07
Date Analyzed: 12/06/07

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B73-15 712046-04	<2	106
B73-20 712046-06	<2	106
B74-05 712046-07	<2	60
B74-10 712046-08	<2	108
B74-12.5 712046-09	<2	116
Method Blank	<2	119

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046
Date Extracted: 12/10/07
Date Analyzed: 12/10/07

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B73-15 712046-04	<50	<250	91
B73-20 712046-06	<50	<250	92
B74-05 712046-07	<50	<250	97
B74-10 712046-08	<50	<250	90
B74-12.5 712046-09	<50	<250	90
Method Blank	<50	<250	89

Analysis For Total Metals By EPA Method 200.8

Client ID:	B73-15	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/07/07	Lab ID:	712046-04
Date Analyzed:	12/07/07	Data File:	712046-04.061
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	105	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.61

Analysis For Total Metals By EPA Method 200.8

Client ID:	B73-20	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/07/07	Lab ID:	712046-06
Date Analyzed:	12/07/07	Data File:	712046-06.063
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	101	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.39

Analysis For Total Metals By EPA Method 200.8

Client ID:	B74-05	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/07/07	Lab ID:	712046-07
Date Analyzed:	12/07/07	Data File:	712046-07.064
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	102	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.99

Analysis For Total Metals By EPA Method 200.8

Client ID:	B74-10	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/07/07	Lab ID:	712046-08
Date Analyzed:	12/07/07	Data File:	712046-08.065
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	107	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.11

Analysis For Total Metals By EPA Method 200.8

Client ID:	B74-12.5	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/07/07	Lab ID:	712046-09
Date Analyzed:	12/07/07	Data File:	712046-09.066
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	99	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	4.89

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/07/07	Lab ID:	I7-461 mb
Date Analyzed:	12/07/07	Data File:	I7-461 mb.044
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	112	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B73-15	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/06/07	Lab ID:	712046-04
Date Analyzed:	12/06/07	Data File:	120605.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	88	32	147
1,2-Dichloroethane-d4	95	35	150
Toluene-d8	89	35	149
4-Bromofluorobenzene	100	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B73-20	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/06/07	Lab ID:	712046-06
Date Analyzed:	12/06/07	Data File:	120606.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	88	32	147
1,2-Dichloroethane-d4	98	35	150
Toluene-d8	85	35	149
4-Bromofluorobenzene	105	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B74-05	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/06/07	Lab ID:	712046-07
Date Analyzed:	12/06/07	Data File:	120607.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	96	32	147
1,2-Dichloroethane-d4	105	35	150
Toluene-d8	95	35	149
4-Bromofluorobenzene	108	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B74-10	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/06/07	Lab ID:	712046-08
Date Analyzed:	12/06/07	Data File:	120608.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	103	32	147
1,2-Dichloroethane-d4	111	35	150
Toluene-d8	102	35	149
4-Bromofluorobenzene	121	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B74-12.5	Client:	Sound Environmental Strategies
Date Received:	12/05/07	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/06/07	Lab ID:	712046-09
Date Analyzed:	12/06/07	Data File:	120609.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	106	32	147
1,2-Dichloroethane-d4	105	35	150
Toluene-d8	109	35	149
4-Bromofluorobenzene	159	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20071205 WORFDB1
Date Extracted:	12/06/07	Lab ID:	071971 mb
Date Analyzed:	12/06/07	Data File:	120604.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	93	32	147
1,2-Dichloroethane-d4	96	35	150
Toluene-d8	94	35	149
4-Bromofluorobenzene	119	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 712047-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	88	70-130

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 712046-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	102	69-125	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	100	70-127

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 711396-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Lead	mg/kg (ppm)	9.17	8.86	3	0-20

Laboratory Code: 711396-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Lead	mg/kg (ppm)	50	9.17	99	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	104	70-130

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 712046-04 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Ethanol	mg/kg (ppm)	<50	<50	nm
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Bromomethane	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.5	<0.5	nm
Acetone	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
t-Butyl alcohol (TBA)	mg/kg (ppm)	<3	<3	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Diisopropyl ether (DIPE)	mg/kg(ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	<0.05	<0.05	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Chloroform	mg/kg (ppm)	<0.05	<0.05	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.5	<0.5	nm
t-Amyl methyl ether (TAME)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Carbon Tetrachloride	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Bromodichloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Dibromomethane	mg/kg (ppm)	<0.05	<0.05	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
2-Hexanone	mg/kg (ppm)	<0.5	<0.5	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Dibromochloromethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.05	<0.05	nm
Chlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm
Styrene	mg/kg (ppm)	<0.05	<0.05	nm
Isopropylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
Bromoform	mg/kg (ppm)	<0.05	<0.05	nm
n-Propylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
Bromobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
2-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
4-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
tert-Butylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
sec-Butylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.1	<0.1	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.1	<0.1	nm
Naphthalene	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.1	<0.1	nm

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 712046-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Ethanol	mg/kg (ppm)	125	<50	105	50-150
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.05	37	24-139
Chloromethane	mg/kg (ppm)	2.5	<0.05	58	30-153
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	65	41-150
Bromomethane	mg/kg (ppm)	2.5	<0.5	76	54-150
Chloroethane	mg/kg (ppm)	2.5	<0.5	91	36-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	83	46-164
Acetone	mg/kg (ppm)	2.5	<0.5	106	47-157
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	87	22-144
Methylene chloride	mg/kg (ppm)	2.5	<0.5	99	38-149
t-Butyl alcohol (TBA)	mg/kg (ppm)	12.5	<3	97	48-153
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	86	55-139
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	91	53-138
Diisopropyl ether (DIPE)	mg/kg (ppm)	2.5	<0.05	92	66-140
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	95	65-125
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	2.5	<0.05	90	61-144
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	92	26-153
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	95	59-140
Chloroform	mg/kg (ppm)	2.5	<0.05	94	67-126
2-Butanone (MEK)	mg/kg (ppm)	2.5	<0.5	95	40-160
t-Amyl methyl ether (TAME)	mg/kg (ppm)	2.5	<0.05	97	63-144
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	102	68-127
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	94	61-134
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	95	59-128
Carbon Tetrachloride	mg/kg (ppm)	2.5	<0.05	92	54-138
Benzene	mg/kg (ppm)	2.5	<0.03	96	61-129
Trichloroethene	mg/kg (ppm)	2.5	<0.03	96	61-132
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	100	69-129
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	101	56-138
Dibromomethane	mg/kg (ppm)	2.5	<0.05	97	65-135
4-Methyl-2-pentanone	mg/kg (ppm)	2.5	<0.5	110	62-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	101	63-134
Toluene	mg/kg (ppm)	2.5	<0.05	105	59-137
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	113	67-133
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	110	71-130
2-Hexanone	mg/kg (ppm)	2.5	<0.5	117	56-157
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	108	71-128
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	106	63-131
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	92	58-132
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	106	71-132
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	104	65-125
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	106	69-130
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	108	69-129
m,p-Xylene	mg/kg (ppm)	5	<0.1	108	67-134
o-Xylene	mg/kg (ppm)	2.5	<0.05	110	73-130
Styrene	mg/kg (ppm)	2.5	<0.05	113	68-127
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	112	50-147
Bromoform	mg/kg (ppm)	2.5	<0.05	91	50-142
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	109	70-129
Bromobenzene	mg/kg (ppm)	2.5	<0.05	103	69-132
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	109	71-129
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	105	64-138
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	104	66-133
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	105	69-125
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	106	68-126
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	108	70-128
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	110	71-130
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	111	58-136
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	113	70-131
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	106	70-125
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	105	69-121
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	110	68-128
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.05	110	55-151
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.1	101	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.1	113	55-145
Naphthalene	mg/kg (ppm)	2.5	<0.05	97	53-155
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.1	105	55-152

Date of Report: 12/13/07
Date Received: 12/05/07
Project: TOC_01-600_20071205 WORFDB1, F&BI 712046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Ethanol	mg/kg (ppm)	125	83	10-193
Dichlorodifluoromethane	mg/kg (ppm)	2.5	47	29-163
Chloromethane	mg/kg (ppm)	2.5	71	28-147
Vinyl chloride	mg/kg (ppm)	2.5	74	38-143
Bromomethane	mg/kg (ppm)	2.5	75	32-163
Chloroethane	mg/kg (ppm)	2.5	105	10-165
Trichlorofluoromethane	mg/kg (ppm)	2.5	82	22-167
Acetone	mg/kg (ppm)	2.5	89	20-172
1,1-Dichloroethene	mg/kg (ppm)	2.5	86	42-140
Methylene chloride	mg/kg (ppm)	2.5	88	53-137
t-Butyl alcohol (TBA)	mg/kg (ppm)	12.5	88	56-144
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	91	73-122
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	94	70-122
Diisopropyl ether (DIPE)	mg/kg (ppm)	2.5	99	78-123
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	77-114
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	2.5	98	77-125
2,2-Dichloropropane	mg/kg (ppm)	2.5	99	65-135
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	77-120
Chloroform	mg/kg (ppm)	2.5	97	76-117
2-Butanone (MEK)	mg/kg (ppm)	2.5	94	52-153
t-Amyl methyl ether (TAME)	mg/kg (ppm)	2.5	102	77-128
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	76-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	98	79-120
1,1-Dichloropropene	mg/kg (ppm)	2.5	98	76-123
Carbon Tetrachloride	mg/kg (ppm)	2.5	99	75-126
Benzene	mg/kg (ppm)	2.5	97	76-118
Trichloroethene	mg/kg (ppm)	2.5	98	75-121
1,2-Dichloropropane	mg/kg (ppm)	2.5	102	78-123
Bromodichloromethane	mg/kg (ppm)	2.5	104	79-126
Dibromomethane	mg/kg (ppm)	2.5	99	79-121
4-Methyl-2-pentanone	mg/kg (ppm)	2.5	109	52-151
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	104	80-127
Toluene	mg/kg (ppm)	2.5	105	76-122
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	114	80-126
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	108	77-121
2-Hexanone	mg/kg (ppm)	2.5	113	67-126
1,3-Dichloropropane	mg/kg (ppm)	2.5	107	76-122
Tetrachloroethene	mg/kg (ppm)	2.5	105	77-124
Dibromochloromethane	mg/kg (ppm)	2.5	93	73-127
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	107	78-126
Chlorobenzene	mg/kg (ppm)	2.5	104	79-113
Ethylbenzene	mg/kg (ppm)	2.5	105	77-120
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	109	79-125
m,p-Xylene	mg/kg (ppm)	5	108	79-121
o-Xylene	mg/kg (ppm)	2.5	110	80-123
Styrene	mg/kg (ppm)	2.5	111	81-124
Isopropylbenzene	mg/kg (ppm)	2.5	110	79-123
Bromoform	mg/kg (ppm)	2.5	91	65-124
n-Propylbenzene	mg/kg (ppm)	2.5	110	77-123
Bromobenzene	mg/kg (ppm)	2.5	106	78-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	110	79-123
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	105	73-121
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	105	69-123
2-Chlorotoluene	mg/kg (ppm)	2.5	106	77-120
4-Chlorotoluene	mg/kg (ppm)	2.5	108	77-121
tert-Butylbenzene	mg/kg (ppm)	2.5	109	77-124
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	110	78-123
sec-Butylbenzene	mg/kg (ppm)	2.5	110	77-122
p-Isopropyltoluene	mg/kg (ppm)	2.5	112	79-126
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	106	78-119
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	104	77-114
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	109	78-120
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	112	66-133
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	100	71-129
Hexachlorobutadiene	mg/kg (ppm)	2.5	109	65-134
Naphthalene	mg/kg (ppm)	2.5	97	51-158
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	102	37-182

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

fp – Compounds in the sample matrix interfered with quantitation of the analyte. The reported concentration may be a false positive.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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December 18, 2007

Dee Gardner, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Ms. Gardner:

Included are the results from the testing of material submitted on December 6, 2007 from the TOC_01-600_20071206 WORFDB1, F&BI 712066 project. There are 19 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler
SOU1218R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 6, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20071206 WORFDB1, F&BI 712066 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
712066-01	B75-05
712066-02	B75-10
712066-03	B75-12.5
712066-04	B75-15
712066-05	B75-17.5
712066-06	B75-20
712066-07	B75-22.5
712066-08	B75-25
712066-09	B75-27.5
712066-10	B75-30
712066-11	B75-35
712066-12	B75-40

Several 8260B analytes in the laboratory control spike duplicate exceeded the acceptance criteria. The analytes were not detected in the samples, therefore the data is acceptable. All other quality control requirements were acceptable.

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066
Date Extracted: 12/07/07
Date Analyzed: 12/08/07

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B75-15 712066-04	<0.02	<0.02	<0.02	<0.06	<2	85
B75-20 712066-06	<0.02	<0.02	<0.02	<0.06	<2	84
B75-35 712066-11	<0.02	<0.02	<0.02	<0.06	<2	80
B75-40 712066-12	<0.02	<0.02	<0.02	<0.06	<2	71
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	78

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066
Date Extracted: 12/07/07
Date Analyzed: 12/07/07 and 12/08/07

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B75-15 712066-04	<50	<250	108
B75-20 712066-06	<50	<250	118
B75-35 712066-11	<50	<250	115
B75-40 712066-12	<50	<250	119
Method Blank	<50	<250	111

Analysis For Total Metals By EPA Method 200.8

Client ID:	B75-15	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/13/07	Lab ID:	712066-04
Date Analyzed:	12/13/07	Data File:	712066-04.030
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	105	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.34

Analysis For Total Metals By EPA Method 200.8

Client ID:	B75-20	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/13/07	Lab ID:	712066-06
Date Analyzed:	12/13/07	Data File:	712066-06.031
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	103	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.25

Analysis For Total Metals By EPA Method 200.8

Client ID:	B75-35	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/13/07	Lab ID:	712066-11
Date Analyzed:	12/13/07	Data File:	712066-11.032
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	103	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	1.66

Analysis For Total Metals By EPA Method 200.8

Client ID:	B75-40	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/13/07	Lab ID:	712066-12
Date Analyzed:	12/13/07	Data File:	712066-12.033
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	105	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	4.20

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/13/07	Lab ID:	I7-474 mb
Date Analyzed:	12/13/07	Data File:	I7-474 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Bismuth	106	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B75-15	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/10/07	Lab ID:	712066-04
Date Analyzed:	12/10/07	Data File:	121017.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	32	147
1,2-Dichloroethane-d4	91	35	150
Toluene-d8	88	35	149
4-Bromofluorobenzene	98	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B75-20	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/10/07	Lab ID:	712066-06
Date Analyzed:	12/11/07	Data File:	121018.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	92	32	147
1,2-Dichloroethane-d4	93	35	150
Toluene-d8	89	35	149
4-Bromofluorobenzene	102	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B75-35	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/10/07	Lab ID:	712066-11
Date Analyzed:	12/11/07	Data File:	121019.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	61	32	147
1,2-Dichloroethane-d4	67	35	150
Toluene-d8	54	35	149
4-Bromofluorobenzene	83	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B75-40	Client:	Sound Environmental Strategies
Date Received:	12/06/07	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/10/07	Lab ID:	712066-12
Date Analyzed:	12/11/07	Data File:	121020.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	51	32	147
1,2-Dichloroethane-d4	56	35	150
Toluene-d8	41	35	149
4-Bromofluorobenzene	68	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20071206 WORFDB1
Date Extracted:	12/10/07	Lab ID:	071871 mb
Date Analyzed:	12/10/07	Data File:	121016.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	88	32	147
1,2-Dichloroethane-d4	87	35	150
Toluene-d8	87	35	149
4-Bromofluorobenzene	96	15	196

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Ethanol	<50	1,1,2-Trichloroethane	<0.05
Dichlorodifluoromethane	<0.5	2-Hexanone	<0.5
Chloromethane	<0.05	1,3-Dichloropropane	<0.05
Vinyl chloride	<0.05	Tetrachloroethene	<0.025
Bromomethane	<0.5	Dibromochloromethane	<0.05
Chloroethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Trichlorofluoromethane	<0.5	Chlorobenzene	<0.05
Acetone	<0.5	Ethylbenzene	<0.05
1,1-Dichloroethene	<0.05	1,1,1,2-Tetrachloroethane	<0.05
Methylene chloride	<0.5	m,p-Xylene	<0.1
t-Butyl alcohol (TBA)	<3	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
Diisopropyl ether (DIPE)	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
Ethyl t-butyl ether (ETBE)	<0.05	Bromobenzene	<0.05
2,2-Dichloropropane	<0.05	1,3,5-Trimethylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,1,2,2-Tetrachloroethane	<0.05
Chloroform	<0.05	1,2,3-Trichloropropane	<0.05
2-Butanone (MEK)	<0.5	2-Chlorotoluene	<0.05
t-Amyl methyl ether (TAME)	<0.05	4-Chlorotoluene	<0.05
1,2-Dichloroethane (EDC)	<0.05	tert-Butylbenzene	<0.05
1,1,1-Trichloroethane	<0.05	1,2,4-Trimethylbenzene	<0.05
1,1-Dichloropropene	<0.05	sec-Butylbenzene	<0.05
Carbon Tetrachloride	<0.05	p-Isopropyltoluene	<0.05
Benzene	<0.03	1,3-Dichlorobenzene	<0.05
Trichloroethene	<0.03	1,4-Dichlorobenzene	<0.05
1,2-Dichloropropane	<0.05	1,2-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Dibromomethane	<0.05	1,2,4-Trichlorobenzene	<0.1
4-Methyl-2-pentanone	<0.5	Hexachlorobutadiene	<0.1
cis-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
Toluene	<0.05	1,2,3-Trichlorobenzene	<0.05
trans-1,3-Dichloropropene	<0.05		

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 712066-12 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	108	70-130
Toluene	mg/kg (ppm)	0.5	104	70-130
Ethylbenzene	mg/kg (ppm)	0.5	100	70-130
Xylenes	mg/kg (ppm)	1.5	101	70-130
Gasoline	mg/kg (ppm)	20	97	70-130

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 712026-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	103	69-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	101	70-127

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 712083-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Lead	mg/kg (ppm)	61.2	44.1	32 h	0-20

Laboratory Code: 712083-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Lead	mg/kg (ppm)	50	61.2	62 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	98	70-130

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 712037-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Ethanol	mg/kg (ppm)	<50	<50	nm
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Bromomethane	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.5	<0.5	nm
Acetone	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
t-Butyl alcohol (TBA)	mg/kg (ppm)	<3	<3	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Diisopropyl ether (DIPE)	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	<0.05	<0.05	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Chloroform	mg/kg (ppm)	<0.05	<0.05	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.5	<0.5	nm
t-Amyl methyl ether (TAME)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Carbon Tetrachloride	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Bromodichloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Dibromomethane	mg/kg (ppm)	<0.05	<0.05	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
2-Hexanone	mg/kg (ppm)	<0.5	<0.5	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Dibromochloromethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.05	<0.05	nm
Chlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm
Styrene	mg/kg (ppm)	<0.05	<0.05	nm
Isopropylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
Bromoform	mg/kg (ppm)	<0.05	<0.05	nm
n-Propylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
Bromobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
2-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
4-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
tert-Butylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
sec-Butylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.1	<0.1	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.1	<0.1	nm
Naphthalene	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.1	<0.1	nm

Date of Report: 12/18/07
Date Received: 12/06/07
Project: TOC_01-600_20071206 WORFDB1, F&BI 712066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Ethanol	mg/kg (ppm)	125	85	111	10-193	27 vo
Dichlorodifluoromethane	mg/kg (ppm)	2.5	93	94	29-163	1
Chloromethane	mg/kg (ppm)	2.5	91	95	28-147	4
Vinyl chloride	mg/kg (ppm)	2.5	96	103	38-143	7
Bromomethane	mg/kg (ppm)	2.5	87	86	32-163	1
Chloroethane	mg/kg (ppm)	2.5	97	86	10-165	12
Trichlorofluoromethane	mg/kg (ppm)	2.5	90	100	22-167	11
Acetone	mg/kg (ppm)	2.5	89	108	20-172	19
1,1-Dichloroethene	mg/kg (ppm)	2.5	93	101	42-140	8
Methylene chloride	mg/kg (ppm)	2.5	88	91	53-137	3
t-Butyl alcohol (TBA)	mg/kg (ppm)	12.5	97	108	56-144	11
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	103	108	73-122	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	105	110	70-122	5
Diisopropyl ether (DIPE)	mg/kg (ppm)	2.5	110	117	78-123	6
1,1-Dichloroethane	mg/kg (ppm)	2.5	104	108	77-114	4
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	2.5	111	118	77-125	6
2,2-Dichloropropane	mg/kg (ppm)	2.5	109	113	65-135	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	108	112	77-120	4
Chloroform	mg/kg (ppm)	2.5	105	108	76-117	3
2-Butanone (MEK)	mg/kg (ppm)	2.5	89	96	52-153	8
t-Amyl methyl ether (TAME)	mg/kg (ppm)	2.5	111	116	77-128	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	114	119 vo	76-116	4
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	107	111	79-120	4
1,1-Dichloropropene	mg/kg (ppm)	2.5	117	122	76-123	4
Carbon Tetrachloride	mg/kg (ppm)	2.5	109	113	75-126	4
Benzene	mg/kg (ppm)	2.5	99	104	76-118	5
Trichloroethene	mg/kg (ppm)	2.5	113	118	75-121	4
1,2-Dichloropropane	mg/kg (ppm)	2.5	116	122	78-123	5
Bromodichloromethane	mg/kg (ppm)	2.5	110	115	79-126	4
Dibromomethane	mg/kg (ppm)	2.5	106	111	79-121	5
4-Methyl-2-pentanone	mg/kg (ppm)	2.5	108	113	52-151	5
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	121	129 vo	80-127	6
Toluene	mg/kg (ppm)	2.5	100	105	76-122	5
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	122	131 vo	80-126	7
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	112	119	77-121	6
2-Hexanone	mg/kg (ppm)	2.5	110	118	67-126	7
1,3-Dichloropropane	mg/kg (ppm)	2.5	115	123 vo	76-122	7
Tetrachloroethene	mg/kg (ppm)	2.5	105	111	77-124	6
Dibromochloromethane	mg/kg (ppm)	2.5	109	115	73-127	5
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	117	124	78-126	6
Chlorobenzene	mg/kg (ppm)	2.5	100	105	79-113	5
Ethylbenzene	mg/kg (ppm)	2.5	101	106	77-120	5
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	117	123	79-125	5
m,p-Xylene	mg/kg (ppm)	5	103	109	79-121	6
o-Xylene	mg/kg (ppm)	2.5	106	112	80-123	6
Styrene	mg/kg (ppm)	2.5	110	116	81-124	5
Isopropylbenzene	mg/kg (ppm)	2.5	108	114	79-123	5
Bromoform	mg/kg (ppm)	2.5	92	98	65-124	6
n-Propylbenzene	mg/kg (ppm)	2.5	109	112	77-123	3
Bromobenzene	mg/kg (ppm)	2.5	106	109	78-122	3
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	109	113	79-123	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	113	120	73-121	6
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	112	116	69-123	4
2-Chlorotoluene	mg/kg (ppm)	2.5	104	109	77-120	5
4-Chlorotoluene	mg/kg (ppm)	2.5	107	111	77-121	4
tert-Butylbenzene	mg/kg (ppm)	2.5	109	115	77-124	5
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	109	114	78-123	4
sec-Butylbenzene	mg/kg (ppm)	2.5	110	114	77-122	4
p-Isopropyltoluene	mg/kg (ppm)	2.5	113	117	79-126	3
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	105	110	78-119	5
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	100	105	77-114	5
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	105	110	78-120	5
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	109	116	66-133	6
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	99	105	71-129	6
Hexachlorobutadiene	mg/kg (ppm)	2.5	124	127	65-134	2
Naphthalene	mg/kg (ppm)	2.5	96	102	51-158	6
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	99	104	37-182	5

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

fp – Compounds in the sample matrix interfered with quantitation of the analyte. The reported concentration may be a false positive.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

712066

SAMPLE CHAIN OF CUSTODY

ME 12/6/07

1 VS4/BE3

Page # 1 of 1

Send Report To Dee Gardner

Company Sound Environmental Strategies

Address 2400 Airport Way S

City, State, ZIP Seattle WA

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co Facility 01-600 Seattle Terminal

PO #

REMARKS: Direct Bill to TOC Holdg

GEMS (Y) N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Bkl Pb	Hold	Notes
B75-05	B75	05	01 A-E	12/6/07	1210	Soil	5								X	WD 12-6-07 sample labels B75-5
B75-10		10	02 A-E		1215										X	
B75-12.5		12.5	03 A-E		1220										X	
B75-15		15	04 A-E		1225			X	X	X	X			X		
B75-17.5		17.5	05 A-E		1230										X	
B75-20		20	06 A-E		1235			X	X	X	X			X		
B75-22.5		22.5	07 A-E		1240										X	
B75-25		25	08 A-E		1245										X	
B75-27.5		27.5	09 A-E		1250										X	
B75-30		30	10 A-E		1255										X	
B75-35		35	11 A-E		1305			X	X	X	X			X		
B75-40	V	40	12 A-E	V	1320	V	V	X	X	X	X			X		

ANALYSES REQUESTED

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		A. Spencerley	SES	12/06/07	1535
Received by:		Michael Erdahl	FEBinc	1	1
Relinquished by:					
Received by:			Samples received at 13 °C		

FORMS\COC\SESGEMSR1.DOC (Revision 1)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 1, 2008

Ryan Bixby, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Bixby:

Included are the results from the testing of material submitted on November 13, 2008 from the TOC_01-600_20081113 WORFDB2, F&BI 811150 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Tim Brown
SOU1201R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 13, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081113 WORFDB2, F&BI 811150 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
811150-01	B076-05
811150-02	B076-10
811150-03	B076-15
811150-04	B076-20
811150-05	B076-22.5
811150-06	B076-25
811150-07	B076-27.5
811150-08	B076-30
811150-09	B076-32.5
811150-10	B076-35
811150-11	B076-37.5
811150-12	B076-40
811150-13	B076-42.5
811150-14	B076-45
811150-15	B077-05
811150-16	B077-10
811150-17	B077-15
811150-18	B077-20
811150-19	B077-22.5
811150-20	B077-25
811150-21	B077-27.5
811150-22	B077-30

The 8260C surrogate 1,2-dichloroethane-d4 for sample B076-10 exceeded the acceptance criteria. The trichloroethene result for B076-10 also exceeded the calibration range of the instrument. The data was flagged accordingly and the sample was diluted and reanalyzed.

All other quality control requirements were acceptable.

Date of Report: 12/01/08
Date Received: 11/13/08
Project: TOC_01-600_20081113 WORFDB2, F&BI 811150
Date Extracted: 11/20/08
Date Analyzed: 11/20/08 and 11/25/08

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B076-05 811150-01	<2	86
B076-10 811150-02	9	109
B077-05 811150-15	21	122
B077-15 811150-17	3	82
Method Blank	<2	100

Date of Report: 12/01/08
Date Received: 11/13/08
Project: TOC_01-600_20081113 WORFDB2, F&BI 811150
Date Extracted: 11/20/08
Date Analyzed: 11/20/08

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B076-05 811150-01	<50	<250	80
B076-10 811150-02	<50	<250	78
B077-05 811150-15	91	<250	81
B077-15 811150-17	<50	<250	79
Method Blank	<50	<250	77

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B076-05	Client:	Sound Environmental Strategies
Date Received:	11/13/08	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811150-01
Date Analyzed:	11/25/08	Data File:	112440.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	135	42	152
Toluene-d8	119	36	149
4-Bromofluorobenzene	90	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.11
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B076-10	Client:	Sound Environmental Strategies
Date Received:	11/13/08	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811150-02
Date Analyzed:	11/25/08	Data File:	112441.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	163 vo	42	152
Toluene-d8	145	36	149
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	1.4 js
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	22 ve
Tetrachloroethene	0.24

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B076-10	Client:	Sound Environmental Strategies
Date Received:	11/13/08	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811150-02 1/10
Date Analyzed:	11/25/08	Data File:	112446.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	74	42	152
Toluene-d8	111	36	149
4-Bromofluorobenzene	81	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.3
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	1.7
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	34
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B076-15	Client:	Sound Environmental Strategies
Date Received:	11/13/08	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811150-03
Date Analyzed:	11/25/08	Data File:	112445.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	131	42	152
Toluene-d8	116	36	149
4-Bromofluorobenzene	86	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.14
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	4.5
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B077-05	Client:	Sound Environmental Strategies
Date Received:	11/13/08	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811150-15
Date Analyzed:	11/25/08	Data File:	112444.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	139	42	152
Toluene-d8	122	36	149
4-Bromofluorobenzene	94	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B077-15	Client:	Sound Environmental Strategies
Date Received:	11/13/08	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811150-17
Date Analyzed:	11/25/08	Data File:	112443.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	126	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	81	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.10
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	7.8
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081113 WORFDB2
Date Extracted:	11/24/08	Lab ID:	081838 mb
Date Analyzed:	11/25/08	Data File:	112439.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	80	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 12/01/08
Date Received: 11/13/08
Project: TOC_01-600_20081113 WORFDB2, F&BI 811150

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 811150-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	109	70-130

Date of Report: 12/01/08
Date Received: 11/13/08
Project: TOC_01-600_20081113 WORFDB2, F&BI 811150

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 811191-11 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	83	85	50-150	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	82	70-130

Date of Report: 12/01/08
Date Received: 11/13/08
Project: TOC_01-600_20081113 WORFDB2, F&BI 811150

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 811168-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	85	83	57-125	2
Chloroethane	mg/kg (ppm)	2.5	126	124	43-152	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	89	89	60-123	0
Methylene chloride	mg/kg (ppm)	2.5	77	82	57-130	6
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	78-118	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	102	103	81-116	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	104	104	82-118	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	100	102	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	110	112	79-120	2
Benzene	mg/kg (ppm)	2.5	97	99	80-112	2
Trichloroethene	mg/kg (ppm)	2.5	100	101	79-115	1
Toluene	mg/kg (ppm)	2.5	96	98	80-116	2
Tetrachloroethene	mg/kg (ppm)	2.5	104	105	79-119	1
Ethylbenzene	mg/kg (ppm)	2.5	99	100	81-115	1
m,p-Xylene	mg/kg (ppm)	5	96	97	80-118	1
o-Xylene	mg/kg (ppm)	2.5	99	100	78-122	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

811150

SAMPLE CHAIN OF CUSTODY

ME 11/13/08 VS4/A04

Page # 1 of 2

Send Report To Ryan Bixby (c.c. Tim Brown, Erin Rothman)

Company SES

Address 2400 Airport Wy S Ste 200

City, State, ZIP Seattle, WA 98134

Phone #206.306.1900 Fax #206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.: TDC 01-600 Bulk terminal 0440-004-17

PO #: 01-600

REMARKS

GEMS (Y) / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260		Notes
B076-05	B076	5	01 A-E	11-13-08	0800	S	5	X	X	X				X		Hold
B076-10	B076	10	02 A-E		0810			X	X	X				X		
B076-15	B076	15	03 A-E		0820									X		
B076-20	B076	20	04 A-E		0824											
B076-22.5	B076	22.5	05 A-E		0829											
B076-25	B076	25	06 A-E		0836											
B076-27.5	B076	27.5	07 A-E		0845											
B076-30	B076	30	08 A-E		0852											
B076-32.5	B076	32.5	09 A-E		0903											
B076-35	B076	35	10 A-E		0910											
B076-37.5	B076	37.5	11 A-E		0917											
B076-40	B076	40	12 A-E		0925											
B076-42.5	B076	42.5	13 A-E		0940											

ANALYSES REQUESTED

X - analyze marked samples per Bruya 11/19/08 MG

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	C. Cache	Charles Cache	SES	11/13/08	1527
Received by:	Nhan Phan	Nhan Phan	FBI	11/13/08	15:27
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

811150

SAMPLE CHAIN OF CUSTODY ME 11/13/08 V54/A04

Send Report To Ryan Bixby (C.C. Tim Brown, Erin Bothman)

Company SES

Address 2406 Airport Way S Ste 200

City, State, ZIP Seattle, WA 9813[illegible]

Phone #206.306.1900 Fax #206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
TOC 01-600 0440-004-0	01-600 0
REMARKS	GEMS Y / N

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B076-45	B076	45	14AE	11.13.08	0947	S	5									Hold

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	[signature]	Charlie Cacer	SES	11/13/08	1527
Received by:	[signature]	Nhan Phan	FEBI	11/13/08	15:27
Relinquished by:					
Received by:					

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 5 °C

811150

SAMPLE CHAIN OF CUSTODY ME 11/13/08 VS4/A04

Page # 2 of 3

Send Report To Ryan Bixby (c.c. Tim Brown, Erin Rothman

Company SES

Address 2400 Airport Way S. Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206 306.1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC 01-600 0440-004-17

PO #: 01-600

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
								ANALYSES REQUESTED								
B077-05	B077	5	15 A-E	11.13.08	1200	S	5	X	X	X				X		Hold
B077-10	"	10	16 A-E	"	1206	"	"									"
B077-15	"	15	17 A-E	"	1218	"	"	X	X	X				X		"
B077-20	"	20	18 A-E	"	1237	"	"									"
B077-22.5	"	22.5	19 A-E	"	1241	"	"									"
B077-25	"	25	20 A-E	"	1246	"	"									"
B077-27.5	"	27.5	21 A-E	"	1255	"	"									"
B077-30	"	30	22 A-E	"	1302	"	"									"

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Charles Cacek	SES	11/13/08	1527
Received by:	Nhan Tran	FEBI	11/13/08	15:27
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 5 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 3, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on November 14, 2008 from the TOC_01-600_20081114 WORFDB2, F&BI 811168 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU1203R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 14, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081114 WORFDB2, F&BI 811168 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
811168-01	B078-5
811168-02	B078-10
811168-03	B078-15
811168-04	B078-20
811168-05	B078-22.5
811168-06	B078-25
811168-07	B078-27.5
811168-08	B079-5
811168-09	B079-10
811168-10	B079-15
811168-11	B079-20
811168-12	B079-22.5
811168-13	B079-25
811168-14	B079-27.5
811168-15	B079-30
811168-16	B079-32.5
811168-17	B079-35
811168-18	B079-37.5
811168-19	B079-40

All quality control requirements were acceptable.

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811168
Date Extracted: 11/20/08
Date Analyzed: 11/20/08

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B078-5 811168-01	<2	103
B078-15 811168-03	<2	92
B079-5 811168-08	<2	109
B079-32.5 811168-16	<2	86
Method Blank	<2	100

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811168
Date Extracted: 11/20/08
Date Analyzed: 11/20/08

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B078-5 811168-01	<50	<250	79
B078-15 811168-03	<50	<250	81
B079-5 811168-08	<50	<250	80
B079-32.5 811168-16	<50	<250	80
Method Blank	<50	<250	77

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B078-5	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811168-01
Date Analyzed:	11/25/08	Data File:	112515.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	135	42	152
Toluene-d8	120	36	149
4-Bromofluorobenzene	90	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B078-15	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811168-03
Date Analyzed:	11/25/08	Data File:	112516.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	139	42	152
Toluene-d8	123	36	149
4-Bromofluorobenzene	88	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B079-5	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811168-08
Date Analyzed:	11/25/08	Data File:	112517.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	152	42	152
Toluene-d8	132	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B079-32.5	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811168-16
Date Analyzed:	11/25/08	Data File:	112518.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	115	42	152
Toluene-d8	94	36	149
4-Bromofluorobenzene	77	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B079-40	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811168-19
Date Analyzed:	11/25/08	Data File:	112519.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	147	42	152
Toluene-d8	121	36	149
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	081838 mb
Date Analyzed:	11/25/08	Data File:	112439.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	80	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811168

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 811150-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	109	70-130

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811168

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 811191-11 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	83	85	50-150	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	82	70-130

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811168

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 811168-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	85	83	57-125	2
Chloroethane	mg/kg (ppm)	2.5	126	124	43-152	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	89	89	60-123	0
Methylene chloride	mg/kg (ppm)	2.5	77	82	57-130	6
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	78-118	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	102	103	81-116	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	104	104	82-118	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	100	102	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	110	112	79-120	2
Benzene	mg/kg (ppm)	2.5	97	99	80-112	2
Trichloroethene	mg/kg (ppm)	2.5	100	101	79-115	1
Toluene	mg/kg (ppm)	2.5	96	98	80-116	2
Tetrachloroethene	mg/kg (ppm)	2.5	104	105	79-119	1
Ethylbenzene	mg/kg (ppm)	2.5	99	100	81-115	1
m,p-Xylene	mg/kg (ppm)	5	96	97	80-118	1
o-Xylene	mg/kg (ppm)	2.5	99	100	78-122	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

811168

SAMPLE CHAIN OF CUSTODY ME 11-14-08

CI2/VS4

cc. Tim Bruya

Send Report To Ryan Bibby Erin Rothman

Company Sound Environmental Strategies

Address 2400 Airport Way S.

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature) [signature]

PROJECT NAME/NO. TOC# 01-600

PO #

REMARKS

GEMS (Y) N

Page # 1 of

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	CVOCs by 8260C		Notes
B078-5		5	01 AE	11/14/08	0740	Soil	5	X	X	X				X		Hold
B078-10		10	02 AE		0743											
B078-15		15	03 AE		0748			X	X	X				X		
B078-20		20	04 AE		0752											
B078-22.5		22.5	05 AE		0759											
B078-25		25	06 AE		0811											
B078-27.5		27.5	07 AE		0826											
B079-5		5	08 AE		0936			X	X	X				X		
B079-10		10	09 AE		0941											
B079-15		15	10 AE		0947											
B079-20		20	11 AE		0949											
B079-22.5		22.5	12 AE		0955											
B079-25		25	13 AE		1001											

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	[signature]	Charles Cacek	SES	11/14/08	1300
Received by:	[signature]	Nhan Pham	FEBI	11/14/08	13:00
Relinquished by:					
Received by:			Samples received at 5 °C		

FORMS\COC\SESGEMSR1.DOC (Revision 1)

811168

SAMPLE CHAIN OF CUSTODY

ME 11-14-08

CE 2/VS4

cc: Tim Brown Erin Rothman

Page # 2 of 2

Send Report To Ryan Birky

Company Stoel Rives Environmental Strategies

Address 2400 Airport Way South

City, State, ZIP Seattle WA 98134

Phone # 206-386-7900 Fax # 206-326-1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC # 01-600

PO #

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260		Notes
B079-27.5		27.5	14 AE	11/14/08	1006	Soil	5									Hold
B079-30		30	15 AE		1015											
B079-32.5		32.5	16 AE		1023			X	X	X				X		
B079-35		35	17 AE		1025											
B079-37.5		37.5	18 AE		1028											
B079-40		40	19 AE		1032									X		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Charles Cacek	SES	11/14/08	1300
Received by:		Nhan Phan	FEBI	11/14/08	13:00
Relinquished by:					
Received by:			Samples received at 5 °C		

FORMS\COC\SESGEMSR1.DOC (Revision 1)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 3, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on November 14, 2008 from the TOC_01-600_20081114 WORFDB2, F&BI 811180 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU1203R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 14, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081114 WORFDB2, F&BI 811180 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
811180-01	B080-05
811180-02	B080-10
811180-03	B080-15
811180-04	B080-20
811180-05	B080-22.5
811180-06	B080-25
811180-07	B080-27.5
811180-08	B080-30
811180-09	B080-32.5
811180-10	B080-35

All quality control requirements were acceptable.

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811180
Date Extracted: 11/20/08
Date Analyzed: 11/21/08

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B080-05 811180-01	<2	94
B080-20 811180-04	<2	84
Method Blank	<2	100

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811180
Date Extracted: 11/20/08
Date Analyzed: 11/20/08

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B080-05 811180-01	<50	<250	79
B080-20 811180-04	<50	<250	81
Method Blank	<50	<250	77

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B080-05	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811180-01
Date Analyzed:	11/26/08	Data File:	112526.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	140	42	152
Toluene-d8	118	36	149
4-Bromofluorobenzene	83	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B080-20	Client:	Sound Environmental Strategies
Date Received:	11/14/08	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	811180-04
Date Analyzed:	11/26/08	Data File:	112527.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	131	42	152
Toluene-d8	114	36	149
4-Bromofluorobenzene	87	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081114 WORFDB2
Date Extracted:	11/24/08	Lab ID:	081838 mb
Date Analyzed:	11/25/08	Data File:	112439.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	80	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811180

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 811150-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	109	70-130

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811180

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 811191-11 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	81	85	50-150	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	82	70-130

Date of Report: 12/03/08
Date Received: 11/14/08
Project: TOC_01-600_20081114 WORFDB2, F&BI 811180

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 811168-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	85	83	57-125	2
Chloroethane	mg/kg (ppm)	2.5	126	124	43-152	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	89	89	60-123	0
Methylene chloride	mg/kg (ppm)	2.5	77	82	57-130	6
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	78-118	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	102	103	81-116	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	104	104	82-118	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	100	102	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	110	112	79-120	2
Benzene	mg/kg (ppm)	2.5	97	99	80-112	2
Trichloroethene	mg/kg (ppm)	2.5	100	101	79-115	1
Toluene	mg/kg (ppm)	2.5	96	98	80-116	2
Tetrachloroethene	mg/kg (ppm)	2.5	104	105	79-119	1
Ethylbenzene	mg/kg (ppm)	2.5	99	100	81-115	1
m,p-Xylene	mg/kg (ppm)	5	96	97	80-118	1
o-Xylene	mg/kg (ppm)	2.5	99	100	78-122	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

811180

SAMPLE CHAIN OF CUSTODY

ME 11-14-08 VS3/A04

Send Report To Tim Brown (c.c. Ryan Bixby, Erin Rothman
Company SES
Address 2400 Airport Way S Ste 200
City, State, ZIP Seattle, WA 98134
Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Bulk Terminal 01600 0440-004-17
PO #: 01-600
REMARKS
GEMS Y / N

Page # 1 of 1

TURNAROUND TIME
☒ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
B080-05	B080	5	01 A-E	11-14-08	1257	S	5	X	X	X				X		Hold
B080-10		10	02 A-E		1303											
B080-15		15	03 A-E		1307											
B080-20		20	04 A-E		1313			X	X	X				X		
B080-22.5		22.5	05 A-E		1315											
B080-25		25	06 A-E		1319											
B080-27.5		27.5	07 A-E		1329											
B080-30		30	08 A-E		1334											
B080-32.5		32.5	09 A-E		1340											
B080-35		35	10 A-E		1352											

X - per TB email 11/19/08 MC

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Braun	SES	11-14-08	1625
Received by:		Nhan Phan	FEBI	11-14-08	16:25
Relinquished by:					
Received by:					

Samples received at 3 °C

FORMS\COC\SESGEMSR1.DOC (Revision 1)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 14, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on December 29, 2008 from the TOC_01-600_20081229 WORFDB2, F&BI 812221 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0114R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 29, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081229 WORFDB2, F&BI 812221 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
812221-01	B083-05
812221-02	B083-07.5
812221-03	B083-10
812221-04	B083-12.5
812221-05	B083-15
812221-06	B083-17.5
812221-07	B083-20
812221-08	B083-22.5
812221-09	B083-25
812221-10	B083-27.5
812221-11	B083-30
812221-12	B083-32.5
812221-13	B083-35
812221-14	B083-37.5
812221-15	B084-05
812221-16	B084-07.5
812221-17	B084-10
812221-18	B084-12.5
812221-19	B084-15
812221-20	B084-17.5
812221-21	B084-20
812221-22	B084-22.5
812221-23	B084-25
812221-24	B084-27.5
812221-25	B084-30
812221-26	B084-32.5
812221-27	B084-35
812221-28	B084-37.5

Methylene chloride was detected in the 8260C samples B083-07.5 and B084-07.5. The result is likely due to laboratory contamination. All other quality control requirements were acceptable.

Date of Report: 01/14/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221
Date Extracted: 01/02/09
Date Analyzed: 01/02/09 and 01/05/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B083-05 d 812221-01 10x	240	ip
B083-07.5 d 812221-02 10x	1,600	82
B084-05 812221-15	30	114
B084-07.5 812221-16	<2	90
Method Blank	<2	99

Date of Report: 01/14/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221
Date Extracted: 01/05/09
Date Analyzed: 01/05/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B083-05 812221-01	1,200	1,700	98
B083-07.5 812221-02	1,500	1,700	89
B084-05 812221-15	220	<250	89
B084-07.5 812221-16	<50	<250	90
Method Blank	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B083-05	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-01
Date Analyzed:	01/06/09	Data File:	010607.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	42	152
Toluene-d8	58	36	149
4-Bromofluorobenzene	52	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	1.2
m,p-Xylene	1.6
o-Xylene	0.052
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B083-07.5	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-02
Date Analyzed:	01/06/09	Data File:	010613.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	42	152
Toluene-d8	72	36	149
4-Bromofluorobenzene	54	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	0.58
Toluene	0.88
Ethylbenzene	12 ve
m,p-Xylene	14 ve
o-Xylene	1.1
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B083-07.5	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-02 1/10
Date Analyzed:	01/06/09	Data File:	010608.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	83	42	152
Toluene-d8	72	36	149
4-Bromofluorobenzene	60	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	0.61
Toluene	0.93
Ethylbenzene	14
m,p-Xylene	18
o-Xylene	1.1
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	5.2 lc
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	<0.3
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B083-37.5	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-14
Date Analyzed:	01/06/09	Data File:	010609.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	83	42	152
Toluene-d8	52	36	149
4-Bromofluorobenzene	53	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B084-05	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-15
Date Analyzed:	01/06/09	Data File:	010614.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	42	152
Toluene-d8	73	36	149
4-Bromofluorobenzene	75	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B084-07.5	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-16
Date Analyzed:	01/06/09	Data File:	010611.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	58	42	152
Toluene-d8	37	36	149
4-Bromofluorobenzene	70	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.52 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B084-27.5	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812221-24
Date Analyzed:	01/06/09	Data File:	010612.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	85	42	152
Toluene-d8	71	36	149
4-Bromofluorobenzene	76	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/02/09	Lab ID:	09-003 mb
Date Analyzed:	01/06/09	Data File:	010605.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	42	152
Toluene-d8	89	36	149
4-Bromofluorobenzene	70	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 01/14/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 812221-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	240	280	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	93	70-130

Date of Report: 01/14/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 812221-15 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	180	75	77	69-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	88	70-127

Date of Report: 01/14/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 812221-15 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	68	44-144
Chloroethane	mg/kg (ppm)	2.5	<0.5	91	36-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	78	22-144
Methylene chloride	mg/kg (ppm)	2.5	<0.5	72	39-146
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	83	56-137
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	83	64-126
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	88	61-138
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	97	68-128
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	96	61-135
Benzene	mg/kg (ppm)	2.5	<0.03	86	62-128
Trichloroethene	mg/kg (ppm)	2.5	<0.03	89	62-132
Toluene	mg/kg (ppm)	2.5	<0.05	91	61-135
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	97	63-131
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	95	69-129
m,p-Xylene	mg/kg (ppm)	5	<0.1	93	66-134
o-Xylene	mg/kg (ppm)	2.5	<0.05	91	75-128

Date of Report: 01/14/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	91	93	57-125	2
Chloroethane	mg/kg (ppm)	2.5	104	119	43-152	13
1,1-Dichloroethene	mg/kg (ppm)	2.5	93	106	60-123	13
Methylene chloride	mg/kg (ppm)	2.5	79	86	57-130	8
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	83	93	78-118	11
1,1-Dichloroethane	mg/kg (ppm)	2.5	83	95	81-116	13
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	83	94	82-118	12
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	93	107	82-120	14
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	94	107	79-120	13
Benzene	mg/kg (ppm)	2.5	82	92	80-112	11
Trichloroethene	mg/kg (ppm)	2.5	85	96	79-115	12
Toluene	mg/kg (ppm)	2.5	87	97	80-116	11
Tetrachloroethene	mg/kg (ppm)	2.5	91	103	79-119	12
Ethylbenzene	mg/kg (ppm)	2.5	89	100	81-115	12
m,p-Xylene	mg/kg (ppm)	5	88	97	80-118	10
o-Xylene	mg/kg (ppm)	2.5	85	94	78-122	10

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

812221

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS3 / DOY

Page # 1 of 3

Send Report To Erin Rothman, Tina Brown

Company SES

Address 2400 Airport Way S Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Seattle Terminal

PO # 01-600

REMARKS Please Hold

GEMS Y / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cmts by 6200C		Notes
								ANALYSES REQUESTED								X-per TB 12/31/ nc.
B083-05	B083	5	01 A-E	12-29-08	0925	S	5	X	X	X				X		HOLD
B083-07.5		7.5	02 A-E		0935			X	X	X				X		
B083-10		10	03 A-E		0940											
B083-12.5		12.5	04 A-E		0950											
B083-15		15	05 A-E		1000											
B083-17.5		17.5	06 A-E		1005											
B083-20		20	07 A-E		1010											
B083-22.5		22.5	08 A-E		1015											
B083-25		25	09 A-E		1015											
B083-27.5		27.5	10 A-E		1020											
B083-30		30	11 A-E		1025											
B083-32.5		32.5	12 A-E		1030											
B083-35		35	13 A-E		1040											4 °C

Samples retrieved at

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	12-29-08	1650
Received by:		Sheri Davis	SES	12/29/08	1650
Relinquished by:		Sheri Davis	SES	12/29/08	1645
Received by:	Yerphora	Alexandra Yerphora	FB	↓	↓

812221

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS3/D04

Page # 2 of 3

Send Report To Erin Rothman, Tim Brown

Company SES

Address 2400 Airport Way S Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. TOL 01-600 Seattle terminal

PO # 61-600

REMARKS Please Hold

GEMS (Y) N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260	geoc.	Notes
B083-37.5	B083	37.5	14 A-E	12-29-08	1050	S	5							X		HOLD
B084-05	B084	5	15 A-E		1350			X	X	X				X		
B084-07.5		7.5	16 A-E		1355			X	X	X				X		
B084-10		10	17 A-E		1405											
B084-12.5		12.5	18 A-E		1415											
B084-15		15	19 A-E		1420											
B084-17.5		17.5	20 A-E		1430											
B084-20		20	21 A-E		1425											
B084-22.5		22.5	22 A-E		1440											
B084-25		25	23 A-E		1445											
B084-27.5		27.5	24 A-E		1450									X		
B084-30		30	25 A-E		1500											
B084-32.5		32.5	26 A-E		1505											

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	12-29-08	1630
Received by:		Sheri Davis	805	12/29/08	1630
Relinquished by:		Sheri Davis	805	12/29/08	1645
Received by:	Alexandra Yerkes	Alexandra Yerkes	FB	〃	〃

812221

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS3/DO

Page # 3 of 3

Send Report To Erin Rothman, Tim Brown

Company SES

Address 2400 Airport Wy S Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Seattle terminal

PO # 01-600

REMARKS Please Hold

GEMS (Y) N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH

Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
								ANALYSES REQUESTED								
B084-35	B084	35	27 A-E	12-29-08	1515	S	5									HOLD
B084-37.5	1	37.5	28 A-E		1520	1	1									
											Samples received at				4 °C	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	12.29.08	1630
Received by:	Sheri Davis	SES	12/29/08	1630
Relinquished by:	Sheri Davis	SES	12/29/08	1645
Received by: Yershova	Alexandra Yershova	FIB	4	4

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 16, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on December 29, 2008 from the TOC_01-600_20081229 WORFDB2, F&BI 812221 project. There are 4 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0116R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 29, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081229 WORFDB2, F&BI 812221 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
812221-01	B083-05
812221-02	B083-07.5
812221-03	B083-10
812221-04	B083-12.5
812221-05	B083-15
812221-06	B083-17.5
812221-07	B083-20
812221-08	B083-22.5
812221-09	B083-25
812221-10	B083-27.5
812221-11	B083-30
812221-12	B083-32.5
812221-13	B083-35
812221-14	B083-37.5
812221-15	B084-05
812221-16	B084-07.5
812221-17	B084-10
812221-18	B084-12.5
812221-19	B084-15
812221-20	B084-17.5
812221-21	B084-20
812221-22	B084-22.5
812221-23	B084-25
812221-24	B084-27.5
812221-25	B084-30
812221-26	B084-32.5
812221-27	B084-35
812221-28	B084-37.5

All quality control requirements were acceptable.

Date of Report: 01/16/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221
Date Extracted: 01/12/09
Date Analyzed: 01/12/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B083-15 812221-05	<0.02	0.03	<0.02	<0.06	<2	115
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	89

Date of Report: 01/16/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812221

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 901062-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	90	70-130
Toluene	mg/kg (ppm)	0.5	88	70-130
Ethylbenzene	mg/kg (ppm)	0.5	88	70-130
Xylenes	mg/kg (ppm)	1.5	91	70-130
Gasoline	mg/kg (ppm)	20	95	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

812221

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS3 / DOY

Page # 1 of 3

Send Report To Erin Rothman, Tim Brown

Company SES

Address 2400 Airport Way S Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Seattle Terminal

PO # 01-600

REMARKS Please Hold

GEMS (Y) / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
								ANALYSES REQUESTED								X-per TB 12/31/08 AE
B083-05	B083	5	01 A-E	12.29.08	0925	S	5	X	X	X				X		HOLD
B083-07.5		7.5	02 A-E		0935			X	X	X				X		
B083-10		10	03 A-E		0940											
B083-12.5		12.5	04 A-E		0950											
B083-15		15	05 A-E		1000				(X)	(X)						
B083-17.5		17.5	06 A-E		1005											
B083-20		20	07 A-E		1010											
B083-22.5		22.5	08 A-E		1015											
B083-25		25	09 A-E		1015											
B083-27.5		27.5	10 A-E		1020											
B083-30		30	11 A-E		1025											
B083-32.5		32.5	12 A-E		1030											
B083-35	↓	35	13 A-E	↓	1040	↓	↓									4 °C

Samples retrieved at

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	12.29.08	1650
Received by:		Sheri Davis	SES	12/29/08	1650
Relinquished by:		Sheri Davis	SES	12/29/08	1645
Received by:	Yerphora	Alexandra Yerphora	FB	↓	↓

812221

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS3/D04

Page # 2 of 3

Send Report To Erin Rothman, Tim Braun

Company SES

Address 2400 Airport Way S Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. TOL 01-600 Seattle terminal

PO # 01-600

REMARKS Please Hold

GEMS (Y) N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260		Notes
B083-37.5	B083	37.5	14 A-E	12-29-08	1050	S	5							x		HOLD
B084-05	B084	5	15 A-E		1350			x	x	x				x		
B084-07.5		7.5	16 A-E		1355			x	x	x				x		
B084-10		10	17 A-E		1405											
B084-12.5		12.5	18 A-E		1415											
B084-15		15	19 A-E		1420											
B084-17.5		17.5	20 A-E		1430											
B084-20		20	21 A-E		1425											
B084-22.5		22.5	22 A-E		1440											
B084-25		25	23 A-E		1445											
B084-27.5		27.5	24 A-E		1450									x		
B084-30		30	25 A-E		1500											
B084-32.5		32.5	26 A-E		1505											

ANALYSES REQUESTED

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Braun	SES	12-29-08	1630
Received by:		Sheri Davis	SES	12/29/08	1630
Relinquished by:		Sheri Davis	SES	12/29/08	1645
Received by:	Alexandra Yershova	Alexandra Yershova	FB	〃	〃

812221

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS3/DO4

Page # 3 of 3

Send Report To Erin Rothman, Tim Brown

Company SES

Address 2400 Airport Way S Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Seattle Terminal

PO # 01-600

REMARKS Please Hold

GEMS (Y) N

TURNAROUND TIME
- [X] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [X] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
								ANALYSES REQUESTED								
B084-35	B084	35	27 A-E	12.29.08	1515	S	5									HOLD
B084-37.5	1	37.5	28 A-E		1520	1	1									
											Samples received at			4	C	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	12.29.08	1630
Received by:	Sheri Davis	SES	12/29/08	1630
Relinquished by:	Sheri Davis	SES	12/29/08	1645
Received by: Yershova	Alexandra Yershova	FIB	↓	↓

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 7, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on December 29, 2008 from the TOC_01-600_20081229 WORFDB2, F&BI 812222 project. There are 24 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0107R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 29, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081229 WORFDB2 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
812222-01	B87-02
812222-02	B87-05
812222-03	B87-10
812222-04	B87-14
812222-05	B87-16
812222-06	B87-18
812222-07	B88-04
812222-08	B88-07
812222-09	B88-10
812222-10	B88-12
812222-11	B88-16
812222-12	B89-02
812222-13	B89-05
812222-14	B89-08
812222-15	B89-11
812222-16	B89-13
812222-17	B90-03
812222-18	B90-05
812222-19	B90-07
812222-20	B90-10
812222-21	B90-12
812222-22	B90-14
812222-23	B90-16
812222-24	B90-18
812222-25	B90-20
812222-26	B91-02
812222-27	B91-06
812222-28	B91-10
812222-29	B91-14
812222-30	B91-18
812222-31	B91-20

The gas detection in sample B87-16 does not resemble a gasoline pattern. All quality control requirements were acceptable.

Date of Report: 01/07/09
Date Received: 12/29/09
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222
Date Extracted: 01/02/09
Date Analyzed: 01/02/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B87-16 812222-05	8	121
B88-10 812222-09	6	78
B89-11 d 812222-15 10x	420	75
B90-03 d 812222-17 10x	380	65
B91-02 d 812222-26 10x	800	81
Method Blank	<2	99

Date of Report: 01/07/09
Date Received: 12/29/09
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222
Date Extracted: 01/02/09
Date Analyzed: 01/02/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B87-16 812222-05	<50	<250	95
B88-10 812222-09	<50	<250	90
B89-11 812222-15	110 x	<250	88
B90-03 812222-17	10,000	14,000	79
B91-02 812222-26	8,300	<250	88
Method Blank	<50	<250	90

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B87-05	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-02
Date Analyzed:	01/02/09	Data File:	010218.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	152
Toluene-d8	93	36	149
4-Bromofluorobenzene	74	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.071
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B87-10	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-03
Date Analyzed:	01/02/09	Data File:	010219.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	152
Toluene-d8	99	36	149
4-Bromofluorobenzene	82	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.43
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	3.4
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B87-16	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-05
Date Analyzed:	01/02/09	Data File:	010220.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	160 ip	42	152
Toluene-d8	149	36	149
4-Bromofluorobenzene	122	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.59
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	17 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B87-16	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-05 1/20
Date Analyzed:	01/05/09	Data File:	010517.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	152
Toluene-d8	99	36	149
4-Bromofluorobenzene	123	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.6
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Vinyl chloride	<1
Chloroethane	<10
1,1-Dichloroethene	<1
Methylene chloride	<10
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	19
Tetrachloroethene	<0.5
Naphthalene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B88-07	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-08
Date Analyzed:	01/02/09	Data File:	010221.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	144	42	152
Toluene-d8	132	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B88-10	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-09
Date Analyzed:	01/05/09	Data File:	010512.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	152
Toluene-d8	96	36	149
4-Bromofluorobenzene	86	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.16
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B88-16	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-11
Date Analyzed:	01/02/09	Data File:	010222.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	138	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.050
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.82
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B89-02	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-12
Date Analyzed:	01/03/09	Data File:	010223.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	112	36	149
4-Bromofluorobenzene	85	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B89-05	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-13
Date Analyzed:	01/03/09	Data File:	010224.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	124	42	152
Toluene-d8	111	36	149
4-Bromofluorobenzene	87	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B89-11	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-15
Date Analyzed:	01/03/09	Data File:	010225.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	115	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	91	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	1.7
m,p-Xylene	2.3
o-Xylene	3.3
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B90-03	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-17
Date Analyzed:	01/03/09	Data File:	010226.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	152
Toluene-d8	97	36	149
4-Bromofluorobenzene	119	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	0.081
Toluene	2.8
Ethylbenzene	3.0
m,p-Xylene	11
o-Xylene	5.7
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.85
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	4.4
Tetrachloroethene	0.17

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B90-10	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-20
Date Analyzed:	01/03/09	Data File:	010227.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	148	42	152
Toluene-d8	138	36	149
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B90-16	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-23
Date Analyzed:	01/03/09	Data File:	010228.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	85	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.15
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B91-02	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-26
Date Analyzed:	01/03/09	Data File:	010229.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	152
Toluene-d8	95	36	149
4-Bromofluorobenzene	84	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	0.67
m,p-Xylene	0.80
o-Xylene	0.10
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B91-10	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-28
Date Analyzed:	01/03/09	Data File:	010230.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	136	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.098
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B91-14	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	812222-29
Date Analyzed:	01/03/09	Data File:	010231.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	123	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	85	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.15
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081229
Date Extracted:	01/02/09	Lab ID:	09-004 mb
Date Analyzed:	01/05/09	Data File:	010504.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	42	152
Toluene-d8	103	36	149
4-Bromofluorobenzene	92	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 01/07/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 812221-01 x10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	240	280	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	93	70-130

Date of Report: 01/07/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 812245-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	89	90	78-126	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	95	70-127

Date of Report: 01/07/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 812222-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.071	0.082	14
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	88	101	57-125	14
Chloroethane	mg/kg (ppm)	2.5	96	113	43-152	16
1,1-Dichloroethene	mg/kg (ppm)	2.5	78	87	60-123	11
Methylene chloride	mg/kg (ppm)	2.5	66	70	57-130	6
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	93	78-118	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	87	88	81-116	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	92	82-118	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	94	97	82-120	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	96	79-120	3
Benzene	mg/kg (ppm)	2.5	89	91	80-112	2
Trichloroethene	mg/kg (ppm)	2.5	91	93	79-115	2
Toluene	mg/kg (ppm)	2.5	96	96	80-116	0
Tetrachloroethene	mg/kg (ppm)	2.5	105	105	79-119	0
Ethylbenzene	mg/kg (ppm)	2.5	99	100	81-115	1
m,p-Xylene	mg/kg (ppm)	5	97	98	80-118	1
o-Xylene	mg/kg (ppm)	2.5	94	96	78-122	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

812222

SAMPLE CHAIN OF CUSTODY

ME 12/29/08 VS4/D04

Page # 1 of 3

Send Report To Erin Rothman / Tim Brown

Company SES

Address 2400 Airport Way S. Ste 200

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC 01-600 Seattle Terminal

PO #

REMARKS: Please Hold Tim B. will call

GEMS (Y) / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [x] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		X-per Remail 12/31/08 mg Notes
B87-02	B87	02	01 A-D	12-29-08	0900	Soil	4									
B87-05		05	02 A-D		0910		4							X		
B87-10		10	03 A-E		0930		5							X		
B87-14		14	04 A-E		0955		5									
B87-16		16	05 A-E		1005		5	X	X	X				X		
B87-18		18	06 A-E		1010		5	X								
B88-04	B88	04	07 A-D		1050		4									
B88-07		07	08 A-E		1055		5							X		
B88-10		10	09 A-E		1105		5	X	X	X				X		
B88-12		12	10 A-E		1115		5									
B88-16		16	11 A-D		1122		4							X		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Sheri Davis	SES	12/29/08	1645
Received by:		Alexandra Yeskova	FIB	↓	↓
Relinquished by:					
Received by:			Samples received at	4 °C	

812222

SAMPLE CHAIN OF CUSTODY ME 12/29/08

V84/D04

Page # 2 of 3

Send Report To Erin Pelham, Tom Bruya

Company SES

Address 2400 Airport Way S. Suite 200

City, State, ZIP Seattle WA 98134

Phone # 206 326 1900 Fax # 206 326 1907

SAMPLERS (signature)

PROJECT NAME/NO. TSC 01-600 Seattle Terminal

PO #

REMARKS Please hold

GEMS (Y) / N

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
								ANALYSES REQUESTED								
B89-02	B89	02	12 A-E	12-24-08	1255	Soil	5							X		
B89-05		05	13 A-D		1300		4							X		
B89-08		08	14 A-D		1310		4									
B89-11		11	15 A-E		1315		5	X	X	X				X		
B89-13		13	16 A-E		1320		5									
B90-03	B90	03	17 A-E		1355		5	X	X	X				X		
B90-05		05	18 A-E		1405		5									
B90-07		07	19 A-D		1410		4									
B90-10		10	20 A-D		1415		4							X		
B90-12		12	21 A-D		1425		4									
B90-14		14	22 A-D		1430		4									
B90-16		16	23 A-D		1435		4							X		
B90-18		18	24 A-D		1440		4									

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Sheri Davis	SES	12/29/08	1645
Received by:	A Yershova	Alexandra Yershova	F/B	〃	〃
Relinquished by:					
Received by:			Samples received at 4 °C		

812222

SAMPLE CHAIN OF CUSTODY ME 12/29/08

V54/004

Page # 3 of 3

Send Report To Erin Bellman, Tim Brown

Company SES

Address 2900 Airport Way S Suite 200

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Seattle Terminal

PO #

REMARKS Please Hold

GEMS (Y) / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cPCBs by 8082		Notes
								ANALYSES REQUESTED								
B90-20	B90	20	25 A-E	12-29-08	1445	Soil	5									
B91-02	B91	02	26 A-E		1510		5	X	X	X				X		
B91-06		06	27 A-D		1525		4									
B91-10		10	28 A-D		1535		4							X		
B91-14		14	29 A-D		1540		4							X		
B91-18		18	30 A-D		1545		4									
B91-20		20	31 A-E		1550		5									

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
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	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		~~SES~~ Sheri Davis	SES	12/29/08	1645
Received by:	A Yershova	Alexandra Yershova	F/B	4	4
Relinquished by:					
Received by:			Samples received at	4 °C	

FORMS\COC\SESGEMSR1.DOC (Revision 1)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 19, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on December 29, 2008 from the TOC_01-600_20081229 WORFDB2, F&BI 812222 project. There are 10 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 29, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081229 WORFDB2 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
812222-01	B87-02
812222-02	B87-05
812222-03	B87-10
812222-04	B87-14
812222-05	B87-16
812222-06	B87-18
812222-07	B88-04
812222-08	B88-07
812222-09	B88-10
812222-10	B88-12
812222-11	B88-16
812222-12	B89-02
812222-13	B89-05
812222-14	B89-08
812222-15	B89-11
812222-16	B89-13
812222-17	B90-03
812222-18	B90-05
812222-19	B90-07
812222-20	B90-10
812222-21	B90-12
812222-22	B90-14
812222-23	B90-16
812222-24	B90-18
812222-25	B90-20
812222-26	B91-02
812222-27	B91-06
812222-28	B91-10
812222-29	B91-14
812222-30	B91-18
812222-31	B91-20

The 8260C dilution of sample B89-13 was analyzed outside of the recommended holding time. The data was flagged accordingly. All other quality control requirements were acceptable.

Date of Report: 01/19/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222
Date Extracted: 01/12/09
Date Analyzed: 01/12/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B89-13 d 812222-16 1/200r	9,700	ip
Method Blank	<2	91

Date of Report: 01/19/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222
Date Extracted: 01/12/09
Date Analyzed: 01/12/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B89-13 812222-16	4,300	1,700	108
Method Blank	<50	<250	107

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B89-13	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/12/09	Lab ID:	812222-16
Date Analyzed:	01/12/09	Data File:	011207.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	42	152
Toluene-d8	66	36	149
4-Bromofluorobenzene	93	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	0.25
Toluene	0.77
Ethylbenzene	30 ve
m,p-Xylene	38 ve
o-Xylene	36 ve
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B89-13	Client:	Sound Environmental Strategies
Date Received:	12/29/08	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/12/09	Lab ID:	812222-16 1/10
Date Analyzed:	01/13/09	Data File:	011316.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	85	42	152
Toluene-d8	58	36	149
4-Bromofluorobenzene	66	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.3
Toluene	0.59
Ethylbenzene	22
m,p-Xylene	31
o-Xylene	34
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	5.3 lc
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	<0.3
Tetrachloroethene	<0.25

Note: The sample was analyzed outside of recommended holding time.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081229 WORFDB2
Date Extracted:	01/12/09	Lab ID:	09-019 mb
Date Analyzed:	01/12/09	Data File:	011203.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 01/19/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 901062-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	95	70-130

Date of Report: 01/19/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 901079-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	112	112	64-134	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	110	70-135

Date of Report: 01/19/09
Date Received: 12/29/08
Project: TOC_01-600_20081229 WORFDB2, F&BI 812222

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 812246-12 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.064	0.059	8
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	1.6	1.3	21 h
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	90	88	57-125	2
Chloroethane	mg/kg (ppm)	2.5	104	100	43-152	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	85	60-123	0
Methylene chloride	mg/kg (ppm)	2.5	87	78	57-130	11
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	85	78-118	5
1,1-Dichloroethane	mg/kg (ppm)	2.5	91	89	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	88	82-118	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	99	98	82-120	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	97	95	79-120	2
Benzene	mg/kg (ppm)	2.5	87	86	80-112	1
Trichloroethene	mg/kg (ppm)	2.5	92	90	79-115	2
Toluene	mg/kg (ppm)	2.5	93	92	80-116	1
Tetrachloroethene	mg/kg (ppm)	2.5	100	97	79-119	3
Ethylbenzene	mg/kg (ppm)	2.5	96	95	81-115	1
m,p-Xylene	mg/kg (ppm)	5	95	94	80-118	1
o-Xylene	mg/kg (ppm)	2.5	94	92	78-122	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

812222

SAMPLE CHAIN OF CUSTODY ME 12/29/08 VS4/D04

Page # 1 of 3

Send Report To Erin Latham / Tom Brown

Company SES

Address 2400 Airport Way S. Suite 200

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Seattle Terminal

PO #

REMARKS Please Hold Tim B. will call

GEMS (Y) / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [x] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes (X-per Remail 12/31/08 mg)
B87-02	B87	02	01 A-D	12-29-08	0900	Soil	4									
B87-05		05	02 A-D		0910		4							X		
B87-10		10	03 A-E		0930		5							X		
B87-14		14	04 A-E		0955		5									
B87-16		16	05 A-E		1005		5	X	X	X				X		
B87-18		18	06 A-E		1010		5	X								
B88-04	B88	04	07 A-D		1050		4									
B88-07		07	08 A-E		1055		5							X		
B88-10		10	09 A-E		1105		5	X	X	X				X		
B88-12		12	10 A-E		1115		5									
B88-16		16	11 A-D		1122		4							X		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Sheri David	SES	12/29/08	1645
Received by:	A Yershova	Alexandra Yershova	FIB	↓	↓
Relinquished by:					
Received by:			Samples received at	4 °C	

812222

SAMPLE CHAIN OF CUSTODY

ME 12/29/08

VS4/D04

Page # 2 of 3

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Address 2400 Airport Way S. Suite 200

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO. TSC 01-600 Seattle Terminal

PO #

REMARKS Please Hold

GEMS (Y) / N

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260C		Notes
B89-02	B89	02	12 A-E	12-24-08	1255	Soil	5							X		
B89-05		05	13 A-D		1300		4							X		
B89-08		08	14 A-D		1310		4									
B89-11		11	15 A-E		1315		5	X	X	X				X		
B89-13		13	16 A-E		1320		5	(X)	(X)	(X)				(X)		
B90-03	B90	03	17 A-E		1355		5	X	X	X				X		
B90-05		05	18 A-E		1405		5 4									
B90-07		07	19 A-D		1410		4									
B90-10		10	20 A-D		1415		4							X		
B90-12		12	21 A-D		1425		4									
B90-14		14	22 A-D		1430		4									
B90-16		16	23 A-D		1435		4							X		
B90-18		18	24 A-D		1440		4									

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Sheri Davis	SES	12/29/08	1645
Received by:	A Yershova	Alexandra Yershova	F/B	4	4
Relinquished by:					
Received by:			Samples received at 4 °C		

FORMS\COC\SESGEMSR1.DOC (Revision 1)

812222

SAMPLE CHAIN OF CUSTODY ME 12/29/08

V54/D04

Page # 3 of 3

Send Report To Erin Bottum, Tim Brown

Company SES

Address 2400 Airport Way S Suite 200

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC 07-600 Seattle Terminal

PO #

REMARKS Please Hold

GEMS (Y) / N

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cPAHs by 8270C		Notes
B90-20	B90	20	25 A-E	12-29-08	1445	Soil	5									
B91-02	B91	02	26 A-E		1510		5	X	X	X				X		
B91-06		06	27 A-D		1525		4									
B91-10		10	28 A-D		1535		4							X		
B91-14		14	29 A-D		1540		4							X		
B91-18		18	30 A-D		1545		4									
B91-20		20	31 A-E		1550		5									

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		~~SES~~ Sheri Davis	SES	12/29/08	1645
Received by:	A Yesthorn	Alexandra Yesthorn	FIB	4	4
Relinquished by:					
Received by:			Samples received at	4 °C	

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 13, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on December 31, 2008 from the TOC_01-600_20081231 WORFDB2, F&BI 812246 project. There are 57 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0113R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 31, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081231 WORFDB2, F&BI 812246 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies (continued)
812246-01	B92-2
812246-02	B92-6
812246-03	B92-8
812246-04	B92-10
812246-05	B92-14
812246-06	B92-19
812246-07	B93-2
812246-08	B93-6
812246-09	B93-10
812246-10	B93-14
812246-11	B93-18
812246-12	B93-20
812246-13	B94-2
812246-14	B94-6
812246-15	B94-7
812246-16	B94-10
812246-17	B94-14
812246-18	B94-20
812246-19	B95-2
812246-20	B95-6
812246-21	B95-10
812246-22	B95-14
812246-23	B95-20
812246-24	B96-2
812246-25	B96-6
812246-26	B96-10
812246-27	B96-14
812246-28	B96-20
812246-29	B97-2
812246-30	B97-6
812246-31	B97-10
812246-32	B97-14
812246-33	B97-20
812246-34	B98-2
812246-35	B98-6
812246-36	B98-10

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
812246-37	B98-14
812246-38	B98-20
812246-39	B085-05
812246-40	B085-07.5
812246-41	B085-10
812246-42	B085-12.5
812246-43	B085-15
812246-44	B085-17.5
812246-45	B085-20
812246-46	B085-22.5
812246-47	B085-25
812246-48	B085-27.5
812246-49	B085-30
812246-50	B085-32.5
812246-51	B085-35
812246-52	B085-37.5
812246-53	B086-05
812246-54	B086-07.5
812246-55	B086-10
812246-56	B086-12.5
812246-57	B086-15
812246-58	B086-17.5
812246-59	B086-20
812246-60	B086-22.5
812246-61	B086-25
812246-62	B086-27.5
812246-63	B086-30
812246-64	B086-32.5
812246-65	B99-0.5
812246-66	B99-03
812246-67	B99-05
812246-68	B99-07
812246-69	B99-09
812246-70	B100-0.5
812246-71	B100-03
812246-72	B100-04.5
812246-73	B100-07
812246-74	B100-10
812246-75	B100-17
812246-76	B101-02

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
812246-77	B101-06
812246-78	B101-10
812246-79	B101-14
812246-80	B101-17
812246-81	B101-20
812246-82	B100-14

The gas detections in samples B92-10, B95-14, B085-17.5, and B085-20 do not resemble a gasoline pattern. Methylene chloride was detected in several 8260C samples, that was likely due to laboratory contamination. The data was flagged accordingly. All other quality control requirements were acceptable.

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246
Date Extracted: 01/02/09
Date Analyzed: 01/02/09, 01/03/09, 01/05/09, and 01/06/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B92-10 812246-04	19	124
B93-10 812246-09	<2	97
B94-7 812246-15	52	ip
B95-14 812246-22	9	115
B96-20 812246-28	<2	91
B97-6 d 812246-30 100x	1,600	ip
B98-6 812246-35	<2	117
B085-05 812246-39	<2	101
B085-17.5 812246-44	27	127
B085-20 812246-45	11	111

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246
Date Extracted: 01/02/09
Date Analyzed: 01/02/09, 01/03/09, 01/05/09, and 01/06/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B086-05 812246-53	<2	105
B086-17.5 812246-58	22	124
B99-0.5 812246-65	54	ip
B99-05 812246-67	<2	94
B100-0.5 812246-70	<2	113
B100-03 812246-71	96	ip
B101-02 812246-76	10	119
Method Blank	<2	99
Method Blank	<2	107

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246
Date Extracted: 01/05/09
Date Analyzed: 01/05/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B92-10 812246-04	<50	<250	84
B93-10 812246-09	<50	<250	85
B94-7 812246-15	140	<250	84
B95-14 812246-22	<50	<250	82
B96-20 812246-28	<50	<250	82
B97-6 812246-30	2,900	310	86
B98-6 812246-35	<50	<250	82
B085-05 812246-39	<50	<250	82
B085-17.5 812246-44	<50	<250	82
B085-20 812246-45	<50	<250	80
B086-05 812246-53	<50	<250	83
B086-17.5 812246-58	<50	<250	80

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246
Date Extracted: 01/05/09
Date Analyzed: 01/05/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B99-0.5 812246-65	970	1,200	83
B99-05 812246-67	120	<250	87
B100-0.5 812246-70	<50	<250	82
B100-03 812246-71	610	<250	84
B101-02 812246-76	<50	<250	84
Method Blank	<50	<250	93

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B92-6	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-02
Date Analyzed:	01/06/09	Data File:	010549.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	42	152
Toluene-d8	70	36	149
4-Bromofluorobenzene	78	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.13
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	2.4
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B92-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-04
Date Analyzed:	01/03/09	Data File:	010243.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	87	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	1.0
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	27 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B92-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-04 1/10
Date Analyzed:	01/05/09	Data File:	010519.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	126	42	152
Toluene-d8	127	36	149
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.3
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	1.3
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	89
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B92-14	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-05
Date Analyzed:	01/08/09	Data File:	010807A.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	135	42	152
Toluene-d8	106	36	149
4-Bromofluorobenzene	115	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.084
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	2.6
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B93-2	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-07
Date Analyzed:	01/08/09	Data File:	010807.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	122	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	85	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B93-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-09
Date Analyzed:	01/06/09	Data File:	010547.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	117	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	90	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.10
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	1.0
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B93-18	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-11
Date Analyzed:	01/08/09	Data File:	010808.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	122	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	82	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	1.3
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	46 ve
Tetrachloroethene	0.12

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B93-18	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-11 1/10
Date Analyzed:	01/09/09	Data File:	010822.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	86	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	87	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	1.2
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	60
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B94-2	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-13
Date Analyzed:	01/06/09	Data File:	010554.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	151	42	152
Toluene-d8	117	36	149
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.22
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B94-7	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/08	Lab ID:	812246-15
Date Analyzed:	01/07/09	Data File:	010615.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	130	42	152
Toluene-d8	122	36	149
4-Bromofluorobenzene	95	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.66 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.072
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B94-14	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-17
Date Analyzed:	01/08/09	Data File:	010810.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	125	42	152
Toluene-d8	114	36	149
4-Bromofluorobenzene	89	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.083
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	1.3
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B95-6	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-20
Date Analyzed:	01/06/09	Data File:	010550.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	91	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.42
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B95-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-21
Date Analyzed:	01/03/09	Data File:	010252.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	149	42	152
Toluene-d8	135	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.76
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	32 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B95-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-21 1/10
Date Analyzed:	01/06/09	Data File:	010553.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	122	36	149
4-Bromofluorobenzene	92	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	5.3 lc
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	30
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B95-14	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-22
Date Analyzed:	01/08/09	Data File:	010809.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	152
Toluene-d8	88	36	149
4-Bromofluorobenzene	71	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	0.041
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.72 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.87
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	37 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B95-14	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-22 1/10
Date Analyzed:	01/09/09	Data File:	010823.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	152
Toluene-d8	88	36	149
4-Bromofluorobenzene	76	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.3
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	0.68
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	45
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B96-2	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-24
Date Analyzed:	01/08/09	Data File:	010811.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	80	42	152
Toluene-d8	54	36	149
4-Bromofluorobenzene	56	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.043
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B96-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-26
Date Analyzed:	01/08/09	Data File:	010813.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	118	42	152
Toluene-d8	106	36	149
4-Bromofluorobenzene	86	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.53
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B96-20	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-28
Date Analyzed:	01/12/09	Data File:	011204.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	42	152
Toluene-d8	88	36	149
4-Bromofluorobenzene	83	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.96
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B97-2	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-29
Date Analyzed:	01/05/09	Data File:	010505.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	146	42	152
Toluene-d8	131	36	149
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B97-6	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-30 1/10
Date Analyzed:	01/05/09	Data File:	010506.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	128	42	152
Toluene-d8	136	36	149
4-Bromofluorobenzene	172 ds	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.3
Toluene	1.2
Ethylbenzene	6.9
m,p-Xylene	15
o-Xylene	12
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	0.31
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B97-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-31
Date Analyzed:	01/05/09	Data File:	010507.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	142	42	152
Toluene-d8	126	36	149
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B98-6	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-35
Date Analyzed:	01/05/09	Data File:	010508.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	126	42	152
Toluene-d8	115	36	149
4-Bromofluorobenzene	90	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.065
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B98-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-36
Date Analyzed:	01/05/09	Data File:	010509.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	127	42	152
Toluene-d8	116	36	149
4-Bromofluorobenzene	89	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.37
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B98-20	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-38
Date Analyzed:	01/06/09	Data File:	010526.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	152
Toluene-d8	101	36	149
4-Bromofluorobenzene	78	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.16
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-05	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/08	Lab ID:	812246-39
Date Analyzed:	01/06/09	Data File:	010527.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	42	152
Toluene-d8	102	36	149
4-Bromofluorobenzene	78	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.22
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-17.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-44
Date Analyzed:	01/06/09	Data File:	010528.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	138	42	152
Toluene-d8	124	36	149
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.12
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	38 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-17.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-44 1/20
Date Analyzed:	01/06/09	Data File:	010551.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	78	42	152
Toluene-d8	96	36	149
4-Bromofluorobenzene	74	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.6
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Vinyl chloride	<1
Chloroethane	<10
1,1-Dichloroethene	<1
Methylene chloride	<10
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	66
Tetrachloroethene	<0.5

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-20	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-45
Date Analyzed:	01/08/09	Data File:	010805.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	141	42	152
Toluene-d8	129	36	149
4-Bromofluorobenzene	93	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.14
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	35 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-20	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-45 1/20
Date Analyzed:	01/09/09	Data File:	010821.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	133	42	152
Toluene-d8	152 ds	36	149
4-Bromofluorobenzene	112	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.6
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1
Vinyl chloride	<1
Chloroethane	<10
1,1-Dichloroethene	<1
Methylene chloride	<10
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	52
Tetrachloroethene	<0.5

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-30	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-49
Date Analyzed:	01/06/09	Data File:	010548.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	42	152
Toluene-d8	88	36	149
4-Bromofluorobenzene	76	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	4.2
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B086-05	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-53
Date Analyzed:	01/06/09	Data File:	010530.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	152
Toluene-d8	107	36	149
4-Bromofluorobenzene	83	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B086-17.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-58
Date Analyzed:	01/06/09	Data File:	010531.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	135	42	152
Toluene-d8	122	36	149
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.079
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	27 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B086-17.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-58 1/10
Date Analyzed:	01/06/09	Data File:	010552.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	79	42	152
Toluene-d8	78	36	149
4-Bromofluorobenzene	62	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.3
Toluene	<0.5
Ethylbenzene	<0.5
m,p-Xylene	<1
o-Xylene	<0.5
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	35
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B99-0.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/08	Lab ID:	812246-65
Date Analyzed:	01/06/09	Data File:	010535.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	151	42	152
Toluene-d8	134	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	0.21
Toluene	1.3
Ethylbenzene	6.9
m,p-Xylene	13
o-Xylene	7.0
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B99-05	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-67
Date Analyzed:	01/06/09	Data File:	010536.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	152
Toluene-d8	103	36	149
4-Bromofluorobenzene	81	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B99-09	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-69
Date Analyzed:	01/06/09	Data File:	010537.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	149	42	152
Toluene-d8	138	36	149
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.70
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.077
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B100-0.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-70
Date Analyzed:	01/06/09	Data File:	010538.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	124	42	152
Toluene-d8	111	36	149
4-Bromofluorobenzene	89	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B100-03	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-71
Date Analyzed:	01/06/09	Data File:	010539.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	149	42	152
Toluene-d8	139	36	149
4-Bromofluorobenzene	111	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B100-17	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-75
Date Analyzed:	01/06/09	Data File:	010540.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	123	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	87	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	1.4
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B101-02	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-76
Date Analyzed:	01/06/09	Data File:	010541.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	117	42	152
Toluene-d8	106	36	149
4-Bromofluorobenzene	81	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B101-10	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-78
Date Analyzed:	01/06/09	Data File:	010542.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	149	42	152
Toluene-d8	136	36	149
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.31
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B101-14	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	812246-79
Date Analyzed:	01/06/09	Data File:	010543.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	118	42	152
Toluene-d8	107	36	149
4-Bromofluorobenzene	86	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.14
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/08	Lab ID:	09-006 mb
Date Analyzed:	01/03/09	Data File:	010238.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	42	152
Toluene-d8	84	36	149
4-Bromofluorobenzene	66	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/02/09	Lab ID:	09-013 mb
Date Analyzed:	01/06/09	Data File:	010525.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	140	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 812221-01 x10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	240	280	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	93	70-130

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 812246-09 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	85	85	63-146	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	85	79-144

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 812246-24 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	0.043	<0.03	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	88	72	57-125	20
Chloroethane	mg/kg (ppm)	2.5	106	94	43-152	12
1,1-Dichloroethene	mg/kg (ppm)	2.5	86	75	60-123	14
Methylene chloride	mg/kg (ppm)	2.5	74	77	57-130	4
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	81	78-118	5
1,1-Dichloroethane	mg/kg (ppm)	2.5	88	82	81-116	7
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	84	82-118	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	94	82-120	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	97	93	79-120	4
Benzene	mg/kg (ppm)	2.5	89	83	80-112	7
Trichloroethene	mg/kg (ppm)	2.5	92	87	79-115	6
Toluene	mg/kg (ppm)	2.5	94	89	80-116	5
Tetrachloroethene	mg/kg (ppm)	2.5	100	95	79-119	5
Ethylbenzene	mg/kg (ppm)	2.5	97	92	81-115	5
m,p-Xylene	mg/kg (ppm)	5	97	91	80-118	6
o-Xylene	mg/kg (ppm)	2.5	93	89	78-122	4

Date of Report: 01/13/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 812246-79 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	0.14	0.15	7
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	76	92	57-125	19
Chloroethane	mg/kg (ppm)	2.5	101	107	43-152	6
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	92	60-123	8
Methylene chloride	mg/kg (ppm)	2.5	81	80	57-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	83	86	78-118	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	84	86	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	86	86	82-118	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	95	96	82-120	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	96	79-120	0
Benzene	mg/kg (ppm)	2.5	84	86	80-112	2
Trichloroethene	mg/kg (ppm)	2.5	87	89	79-115	2
Toluene	mg/kg (ppm)	2.5	89	92	80-116	3
Tetrachloroethene	mg/kg (ppm)	2.5	96	98	79-119	2
Ethylbenzene	mg/kg (ppm)	2.5	93	95	81-115	2
m,p-Xylene	mg/kg (ppm)	5	91	93	80-118	2
o-Xylene	mg/kg (ppm)	2.5	89	91	78-122	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/08

VS3/D04 D

Page # 1 of 17

Send Report To Erin Rothman / Tim Brown
Company SES
Address 2400 Airport Way South
City, State, ZIP Seattle WA 98134
Phone # 206 306 1900 Fax # 206 306 1906

SAMPLERS (signature)

PROJECT NAME/NO.: TOC 01-600 Seattle Terminal

PO #:

REMARKS: X = run standard turnaround TB 12/3/08

GEMS (Y) N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	< VOC by 8260B		Notes
B92-2		2	01 A-E	12/30/08	0800	Soil	5									
B92-6		6	02 A-E		0807		5							X		
B92-8		8	03 A-E		0818		5									
B92-10		10	04 A-E		0843		5	X	X	X			X	X		
B92-14		14	05 A-D		0855		4							X		
B92-19		19	06 A-E		0912		5									
B93-2		2	07 A-D		0945		4							X		
B93-6		6	08 A-E		0950		5									
B93-10		10	09 A-E		1000		5	X	X	X				X		
B93-14		14	10 A-D		1008		4									
B93-18		18	11 A-E		1019		5							X		
B93-20		20	12 A-D		1024		4									
B94-2		2	13 A-D		1025		4							X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Timothy S. Brown	SES	12/30/08	1700
Received by:	Michael Erdahl	F&B	12/31/08	8:20
Relinquished by:				
Received by:				

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/08 VS3/D04

Page # 2 of 7

Send Report To Erin Bothman/Tim Brown
Company SES
Address 2400 Airport Way South
City, State, ZIP Seattle WA 98134
Phone # 206-306-1900 Fax # 206-306-1906

SAMPLERS (Signature)
PROJECT NAME/NO. TOC 01-600 Marketing terminal
PO #
REMARKS X = run standard turnaround TB 12/31/08
GEMS Y / N

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B94-6		6	14 A-E	12/30/08	1055	soil	5									
B94-7		7	15 A-E		1100		5	X	X	X				X		
B94-10		10	16 A-E		1105		5									
B94-14		14	17 A-D		1112		4							X		
B94-20		20	18 A-E		1125		5									
B95-2		2	19 A-D		1200		4									
B95-6		6	20 A-D		1205		4	TB						X		
B95-10		10	21 A-E		1220		5							X		
B95-14		14	22 A-E		1230		5	X	X	X				X		
B95-20		20	23 A-D		1235		4									
B96-2		2	24 A-D		1255		4							X		
B96-6		6	25 A-E		1300		5									
B96-10		10	26 A-E		1310		5							X		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Timothy S. Brown	SES	12/30/08	1700
Received by:		Michael Erdahl	FB	12/31/08	15:35
Relinquished by:					
Received by:					

Samples received at 4 °C

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/09

V53/D04

Page # 3 of 7

Send Report To Erin Rathman / Tim Brown

Company SES

Address 2400 Airport Way

City, State, ZIP Seattle WA 98134

Phone # 206-306-1900 Fax # 206-306-1906

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600 Marketing Terminal

PO #

REMARKS X = run standard turnaround TB 12/31/08

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B96-14		14	27 A-G	12/30/08	1317	Soil	5									
B96-20		20	28 A-D		1345		4	X	X	X				X		
B97-2		2	29 A-D		1400		4							X		
B97-6		6	30 A-E		1405		5	X	X	X				X		
B97-10		10	31 A-E		1415		5							X		
B97-14		14	32 A-D		1425		4									
B97-20		20	33 A-E		1435		5									
B98-2		2	34 A-D		1455		4									
B98-6		6	35 A-E		1503		5	X	X	X				X		
B98-10		10	36 A-E		1510		5							X		
B98-14		14	37 A-D		1525		4									
B98-20		20	38 A-E		1530		5							X		

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Timothy S. Brown	SES	12/30/08	1700
Received by:		Michael Erdahl	FEBA	12/31/08	1536
Relinquished by:					
Received by:		Samples received at 4 °C			

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

812246

SAMPLE CHAIN OF CUSTODY

ME 12/31/09

V53/D04

Page # 4 of 17

Send Report To Tim Braun, Erin Rothman

Company SES

Address 2400 Airport Way S

City, State, ZIP Seattle 98134

Phone # 206 306 1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO. Bulk terminal 01-600

PO # 01-600

REMARKS X = run standard turnaround T 12/28 GEMS (Y) N

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B085-05	B085	5	39 A-E	12-30-08	0810	S	5	X	X	X				X		~~HOLD~~
B085-07.5	"	7.5	40 A-E	"	0815	"	"									"
B085-10	"	10	41 A-E	"	0825	"	"									"
B085-12.5	"	12.5	42 A-E	"	0830	"	"									"
B085-15	"	15	43 A-E	"	0835	"	"									"
B085-17.5	"	17.5	44 A-E	"	0845	"	"	X	X	X				X		"
B085-20	"	20	45 A-E	"	0850	"	"	X	X	X				X		"
B085-22.5	"	22.5	46 A-E	"	0855	"	"									"
B085-25	"	25	47 A-E	"	0900	"	"									"
B085-27.5	"	27.5	48 A-E	"	0910	"	"									"
B085-30	"	30	49 A-E	"	0915	"	"							X		"
B085-32.5	"	32.5	50 A-E	"	0920	"	"									"
B085-35	"	33	51 A-E	"	0925	"	"									"

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Braun	SES	12-30-08	
Received by:	Michael Erdahl	FEBinc	12/31/08	15:36
Relinquished by:				
Received by:	Samples received at 4 °C			

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SAMPLE CHAIN OF CUSTODY

Page # 5 of 7

Send Report To: Tim Brown, Erin Pehlman
Company: SES
Address: 2400 Airport Way S
City, State, ZIP: Seattle 98134
Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature):

PROJECT NAME/NO.: Bulk terminal
PO #: 01600

REMARKS: X = run standard turnaround TB 12/31/08
GEMS: (Y) / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- (X) Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 82608		Notes
								ANALYSES REQUESTED								
B085-31.5	B085	31.5	52 A-E	12-30-08	0930	S	5									
B086-05	B086	05	53 A-E		1030			X	X	X				X		
B086-07.5		7.5	54 A-E		1035											
B086-10		10	55 A-E		1040											
B086-12.5		12.5	56 A-E		1045											
B086-15		15	57 A-E		1050											
B086-17.5		17.5	58 A-E		1055			X	X	X				X		
B086-20		20	59 A-E		1100											
B086-22.5		22.5	60 A-E		1105											
B086-25		25	61 A-E		1110											
B086-27.5		27.5	62 A-E		1115											

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	12-30-08	
Received by:		Michael Erdahl	FEB	12/31/08	15:36
Relinquished by:					
Received by:			Samples received at 4 °C		

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/08

VS3 /DO4

Page # 1 of 1

Send Report To Tim Brown, Erin Rothman

Company SES

Address 2400 Airport Way S

City, State, ZIP Seattle 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.: Bulk terminal 01-600

PO #: 01-600

REMARKS: X = run standard turnaround TB 12/31/08

GEMS Y / N

TURNAROUND TIME
- [X] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [X] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B086-30	B086	30	63 A-E	12-30-08	1120	S	5									~~HOLD~~
B086-32.5	"	32.5	64 A-E	"	1130	"	"									"
B99-0.5	B99	0.5	65 A-E	"	1245	"	"	X	X	X				X		"
B99-03	"	03	66 A-E	"	1250	"	"									"
B99-05	"	05	67 A-E	"	1300	"	"	X	X	X				X		"
B99-07	"	07	68 A-E	"	1305	"	"									"
B99-09	"	09	69 A-E	"	1325	"	"							X		"
B100-0.5	B100	0.5	70 A-E	"	1355	"	"	X	X	X				X		"
B100-03	"	03	71 A-E	"	1400	"	"	X	X	X				X		"
B100-~~05~~ 04.5	"	04.5	72 A-E	"	1405	"	"									"
B100-07	"	07	73 A-E	"	1420	"	"									"
B100-10	"	10	74 A-E	"	1430	"	"									"
B100-17	"	17	75 A-E	"	~~1435~~ 1445 (NP)	"	"							X		"

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	12.30.08	
~~Received by:~~	Michael English	FGBru	12/31/08	1536
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

812246

SAMPLE CHAIN OF CUSTODY

ME 12/31/08

VS3 / D04

Page # 1 of 1

Send Report To Tim Brown, Erik Rothman

Company SES

Address 2400 Airport Way S

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1909

SAMPLERS (signature)

PROJECT NAME/NO.: Bulk terminal

PO #: 01-600

REMARKS: X = run standard turnaround time T6/12/08

GEMS Y / N

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B101-02	B101	2	76 A-E	12-30-08	1545	S	5	X	X	X				X		~~Hold~~ ✓
B101-06	"	6	77 A-D	"	1550	"	4							X		"
B101-10	"	10	78 A-E	"	1555	"	5							X		"
B101-14	"	14	79 A-D	"	1600	"	4							X		"
B101-17	"	17	80 A-D	"	1605	"	4									"
B101-20	"	20	81 A-D	"	1610	"	5									"
B100-14	-		82 A-E	12-30-08	1435	S	5									NP Added in lab

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	12-30-08	
Received by:	Michael Erdahl	FCBA	12/31/08	1536
Relinquished by:				
Received by:				

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 19, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on December 31, 2008 from the TOC_01-600_20081231 WORFDB2, F&BI 812246 project. There are 10 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 31, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20081231 WORFDB2, F&BI 812246 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies (continued)
812246-01	B92-2
812246-02	B92-6
812246-03	B92-8
812246-04	B92-10
812246-05	B92-14
812246-06	B92-19
812246-07	B93-2
812246-08	B93-6
812246-09	B93-10
812246-10	B93-14
812246-11	B93-18
812246-12	B93-20
812246-13	B94-2
812246-14	B94-6
812246-15	B94-7
812246-16	B94-10
812246-17	B94-14
812246-18	B94-20
812246-19	B95-2
812246-20	B95-6
812246-21	B95-10
812246-22	B95-14
812246-23	B95-20
812246-24	B96-2
812246-25	B96-6
812246-26	B96-10
812246-27	B96-14
812246-28	B96-20
812246-29	B97-2
812246-30	B97-6
812246-31	B97-10
812246-32	B97-14
812246-33	B97-20
812246-34	B98-2
812246-35	B98-6
812246-36	B98-10
812246-37	B98-14
812246-38	B98-20

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
812246-39	B085-05
812246-40	B085-07.5
812246-41	B085-10
812246-42	B085-12.5
812246-43	B085-15
812246-44	B085-17.5
812246-45	B085-20
812246-46	B085-22.5
812246-47	B085-25
812246-48	B085-27.5
812246-49	B085-30
812246-50	B085-32.5
812246-51	B085-35
812246-52	B085-37.5
812246-53	B086-05
812246-54	B086-07.5
812246-55	B086-10
812246-56	B086-12.5
812246-57	B086-15
812246-58	B086-17.5
812246-59	B086-20
812246-60	B086-22.5
812246-61	B086-25
812246-62	B086-27.5
812246-63	B086-30
812246-64	B086-32.5
812246-65	B99-0.5
812246-66	B99-03
812246-67	B99-05
812246-68	B99-07
812246-69	B99-09
812246-70	B100-0.5
812246-71	B100-03
812246-72	B100-04.5
812246-73	B100-07
812246-74	B100-10
812246-75	B100-17
812246-76	B101-02

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
812246-77	B101-06
812246-78	B101-10
812246-79	B101-14
812246-80	B101-17
812246-81	B101-20
812246-82	B100-14

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B93-20	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/12/09	Lab ID:	812246-12
Date Analyzed:	01/13/09	Data File:	011317.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	152
Toluene-d8	92	36	149
4-Bromofluorobenzene	81	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.064
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	1.6
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B95-20	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/12/09	Lab ID:	812246-23
Date Analyzed:	01/12/09	Data File:	011211.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	125	42	152
Toluene-d8	115	36	149
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.072
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	2.1
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B085-37.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/12/09	Lab ID:	812246-52
Date Analyzed:	01/13/09	Data File:	011313.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	152
Toluene-d8	91	36	149
4-Bromofluorobenzene	73	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.10
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B086-32.5	Client:	Sound Environmental Strategies
Date Received:	12/31/08	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/12/09	Lab ID:	812246-64
Date Analyzed:	01/13/09	Data File:	011314.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	140	42	152
Toluene-d8	128	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20081231 WORFDB2
Date Extracted:	01/12/09	Lab ID:	09-019 mb
Date Analyzed:	01/12/09	Data File:	011203.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 01/19/09
Date Received: 12/31/08
Project: TOC_01-600_20081231 WORFDB2, F&BI 812246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 812246-12 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.064	0.059	8
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	1.6	1.3	21 h
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	90	88	57-125	2
Chloroethane	mg/kg (ppm)	2.5	104	100	43-152	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	85	60-123	0
Methylene chloride	mg/kg (ppm)	2.5	87	78	57-130	11
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	85	78-118	5
1,1-Dichloroethane	mg/kg (ppm)	2.5	91	89	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	88	82-118	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	99	98	82-120	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	97	95	79-120	2
Trichloroethene	mg/kg (ppm)	2.5	92	90	79-115	2
Tetrachloroethene	mg/kg (ppm)	2.5	100	97	79-119	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probablility.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/08

VS3/D04 D

Page # 1 of 17

Send Report To: Erin Rothman / Tim Brown
Company: SES
Address: 2400 Airport Way South
City, State, ZIP: Seattle WA 98134
Phone # 206 306 1900 Fax # 206 306 1906

SAMPLERS (signature):

PROJECT NAME/NO.: TOC 01-600 Seattle Terminal

PO #:

REMARKS: X = run standard turnaround TB 12/31/08

GEMS: (Y) N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOC by 8260B		Notes
B92-2		2	01 A-E	12/30/08	0800	Soil	5									
B92-6		6	02 A-E		0807		5							X		
B92-8		8	03 A-E		0818		5									
B92-10		10	04 A-E		0843		5	X	X	X				X		
B92-14		14	05 A-D		0855		4							X		
B92-19		19	06 A-E		0912		5									
B93-2		2	07 A-D		0945		4							X		
B93-6		6	08 A-E		0950		5									
B93-10		10	09 A-E		1000		5	X	X	X				X		
B93-14		14	10 A-D		1008		4									
B93-18		18	11 A-E		1019		5							X		
B93-20		20	12 A-D		1024		4							(X)		
B94-2		2	13 A-D		1025		4							X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Timothy S. Brown	SES	12/30/08	1700
Received by:	Michael Erdahl	F&B Inc	12/31/08	3:20
Relinquished by:				
Received by:				

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/08 VS3/004

Page # 2 of 7

Send Report To Erin Bothman/Tim Brown
Company SES
Address 2400 Airport Way South
City, State, ZIP Seattle WA 98134
Phone # 206-306-1902 Fax # 206-306-1906

SAMPLERS (signature)

PROJECT NAME/NO.: Toc 01-600 Marketing terminal
PO #:

REMARKS: X = run standard turnaround TB/12/3/08
GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B94-6		6	14 A-E	12/30/08	1055	soil	5									
B94-7		7	15 A-E		1100		5	X	X	X				X		
B94-10		10	16 A-E		1105		5									
B94-14		14	17 A-D		1112		4							X		
B94-20		20	18 A-E		1125		5									
B95-2		2	19 A-D		1200		4									
B95-6		6	20 A-D		1205		4	TB						X		
B95-10		10	21 A-E		1220		5							X		
B95-14		14	22 A-E		1230		5	X	X	X				X		
B95-20		20	23 A-D		1235		4							⊗		
B96-2		2	24 A-D		1255		4							X		
B96-6		6	25 A-E		1300		5									
B96-10		10	26 A-E		1310		5							X		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Timothy S. Brown	SES	12/30/08	1700
Received by:		Michael Erdahl	FB	12/31/08	15:35
Relinquished by:					
Received by:					

Samples received at 4 °C

812246

SAMPLE CHAIN OF CUSTODY ME 12/31/09

VS3/D04

Page # 3 of 7

Send Report To Erin Rothman / Tim Brown

Company SES

Address 2400 Airport Way

City, State, ZIP Seattle WA 98134

Phone # 206-306-1900 Fax # 206-306-1906

SAMPLERS (signature)

PROJECT NAME/NO.: TOC 01-600 Marketing Terminal

PO #:

REMARKS: X = run standard turnaround TB 12/31/08

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B96-14		14	27 A-E	12/30/08	1317	soil	5									
B96-20		20	28 A-D		1345		4	X	X	X				X		
B97-2		2	29 A-D		1400		4							X		
B97-6		6	30 A-E		1405		5	X	X	X				X		
B97-10		10	31 A-E		1415		5							X		
B97-14		14	32 A-D		1425		4									
B97-20		20	33 A-E		1435		5									
B98-2		2	34 A-D		1455		4									
B98-6		6	35 A-E		1503		5	X	X	X				X		
B98-10		10	36 A-E		1510		5							X		
B98-14		14	37 A-D	"	1525	"	4									
B98-20		20	38 A-E	"	1530	"	5							X		

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Timothy S. Brown	SES	12/30/08	1700
Received by:		Michael Erdahl	FEB	12/31/08	1536
Relinquished by:					
Received by:		Samples received at 4 °C			

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

812246

SAMPLE CHAIN OF CUSTODY

ME 12/31/09

VS3/D04

Page # 4 of 4

Send Report To Tim Brown, Erin Rothman

Company SES

Address 2400 Airport Way S

City, State, ZIP Seattle 98134

Phone # 206 306.1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO. Bulk terminal 01-600

PO # 01-600

REMARKS X = run standard turnaround T 12/31/09 GEMS (Y) N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B085-05	B085	5	39 A-E	12-30-08	0810	S	5	X	X	X				X		
B085-07.5		7.5	40 A-E		0815											
B085-10		10	41 A-E		0825											
B085-12.5		12.5	42 A-E		0830											
B085-15		15	43 A-E		0835											
B085-17.5		17.5	44 A-E		0845			X	X	X				X		
B085-20		20	45 A-E		0850			X	X	X				X		
B085-22.5		22.5	46 A-E		0855											
B085-25		25	47 A-E		0900											
B085-27.5		27.5	48 A-E		0910											
B085-30		30	49 A-E		0915									X		
B085-32.5		32.5	50 A-E		0920											
B085-35		33	51 A-E		0925											

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	12-30-08	
Received by:	Michael Erdahl	FEBinc	12/31/08	15:36
Relinquished by:				
Received by:	Samples received at 4 °C			

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SAMPLE CHAIN OF CUSTODY

Page # 5 of 7

Send Report To: Tim Brown, Erin Pathman
Company: SES
Address: 2400 Airport Way S
City, State, ZIP: Seattle 98134
Phone #: 206-306-1900 Fax #: 206-306-1907

SAMPLERS (signature):

PROJECT NAME/NO.: Bulk terminal
PO #: 01-600

REMARKS: X = run standard turnaround TB 12/31/08
GEMS (Y) / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- (X) Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B085-37.5	B085	37.5	52 A-E	12-30-08	0930	S	5							(X)		
B086-05	B086	05	53 A-E		1030			X	X	X				X		
B086-07.5		7.5	54 A-E		1035											
B086-10		10	55 A-E		1040											
B086-12.5		12.5	56 A-E		1045											
B086-15		15	57 A-E		1050											
B086-17.5		17.5	58 A-E		1055			X	X	X				X		
B086-20		20	59 A-E		1100											
B086-22.5		22.5	60 A-E		1105											
B086-25		25	61 A-E		1110											
B086-27.5		27.5	62 A-E		1115											

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	12-30-08	
Received by:	Michael Erdahl	FEBA	12/31/08	15:36
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

812246

SAMPLE CHAIN OF CUSTODY

ME 12/31/08

VS3 /DO4

Page # 1 of 4

Send Report To: Tim Brown, Erin Rothman
Company: SES
Address: 2400 Airport Way S
City, State, ZIP: Seattle 98134
Phone #: 224-306-1907 Fax #: 224-306-1907

SAMPLERS (signature):

PROJECT NAME/NO.: Bulk terminal 01-600
PO #: 01-600

REMARKS: X = run standard turnaround TB 12/31/08
GEMS Y / N

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B086-30	B086	30	63 A-E	12-30-08	1120	S	5									~~HOLD~~
B086-32.5	↓	32.5	64 A-E		1130									⊗		
B99-0.5	B99	0.5	65 A-E		1245			X	X	X				X		
B99-03		03	66 A-E		1250											
B99-05		05	67 A-E		1300			X	X	X				X		
B99-07		07	68 A-E		1305											
B99-09		09	69 A-E		1325									X		
B100-05	B100	0.5	70 A-E		1355			X	X	X				X		
B100-03		03	71 A-E		1400			X	X	X				X		
B100-~~04~~ 04.5		04.5	72 A-E		1405											
B100-07		07	73 A-E		1420											
B100-10		10	74 A-E		1430											
B100-17		17	75 A-E		1435 (NP)									X		

Friedman & Bruya, Inc.	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
3012 16th Avenue West	Relinquished by:	Jessica Brown	SES	12-30-08	
Seattle, WA 98119-2029	Received by:	Michael Erdahl	FGBru	12/31/08	1536
Ph. (206) 285-8282	Relinquished by:				
Fax (206) 283-5044	Received by:	Samples received at 4 °C			

FORMS\COC\SESGEMSR1.DOC (Revision 1)

812246

SAMPLE CHAIN OF CUSTODY

MC 12/31/08

VS3 / D04

Page # 1 of 1

Send Report To Tim Brown, Erin Bathman

Company SES

Address 2400 Airport Way S

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.: Bulk terminal

PO #: 01-600

REMARKS: X = run standard turnaround time T6/12/30/08

GEMS Y / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	cVOCs by 8260B		Notes
B101-02	B101	2	76 A-E	12-30-08	1545	S	5	X	X	X				X		
B101-06	"	6	77 A-D	"	1550	"	4							X		
B101-10	"	10	78 A-E	"	1555	"	5							X		
B101-14	"	14	79 A-D	"	1600	"	4							X		
B101-17	"	17	80 A-D	"	1605	"	4									
B101-20	"	20	81 A-D	"	1610	"	5									
B100-14	-		82 A-E	12-30-08	1435	S	5									NP Added in lab

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	12-30-08	
Received by:		Michael Erdahl	FCBm	12/31/08	1536
Relinquished by:					
Received by:					

Samples received at 4 °C

903171

SAMPLE CHAIN OF CUSTODY

ME 03/17/09 VS3/805

Page # 1 of 2

Send Report To Tim Brown

Company SES

Address 2400 Airport Way S. Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) [signature]

PROJECT NAME/NO. TOC Holdings Co. facility No 01-600

PO # 0440-004-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B102-02.5	B102	2.5	01 A-E	3/17/09	0840	Soil	5	X	X	X	✓					V-Same day
B102-05	↓	5	02 A-E	↓	0855	↓	↓									X-Std TAT
B102-07.5		7.5	03 A-E		0900											Per TB 3/18/09 MG
B102-10		10	04 A-E		0905											
B102-12.5		12.5	05 A-E		0910											
B102-15		15	06 A-E		0915		↓									
B102-17.5		17.5	07 A-B		0920		3									
B102-20		20	08 A-B		0925		3									
B102-22.5		22.5	09 A-E		0930		5									
B102-25		25	10 A-E		0935											
B102-27.5		27.5	11 A-E		0940											
B102-39.5	↓	39.5	12 A-E		1030											
B103-05	B103	5	13 A-E	↓	1255	↓	↓									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Dean Shann	SES	3-17-09	1720
Received by: A Yershova	Alexandra Yershova	F/B	〃	〃
Relinquished by:				
Received by:		Samples received at 5		PC

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903171

SAMPLE CHAIN OF CUSTODY

ME 03/17/09 VS3/B05

Page # 2 of 2

Send Report To _____

Company _____ Page 04

Address _____

City, State, ZIP _____

Phone # _____ Fax # _____

SAMPLERS (signature) _____

PROJECT NAME/NO. | PO #

REMARKS | GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH _____
- Rush charges authorized by: _____

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B103-10	B103	10	14 A-E	3/17/09	1305	So.1	5									
B103-15	↓	15	15 A-E	↓	1310	↓	↓									
B103-20		20	16 A-E		1315											
B103-30		30	17 A-E		1350											
B103-31.5		31.5	~~18~~ A-E		1355											
B103-34		34	19 A-E		1405											
B103-36	↓	36	20 A-E	↓	1410	↓	↓									
B102-30	B102	30	21 A-E	3/17/09	0945	So.1	5									

Samples received at 5 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Ben Shaw	SES	3/17/09	1720
Received by: A Yershova	Alexandra Yershova	FB	↓	↓
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903175

SAMPLE CHAIN OF CUSTODY ME 03-18-09

805/V83

Page # 1 of 2

Send Report To Tim Brown

Company SES

Address 2400 Airport Way S, Ste 200

City, State, ZIP Seattle, WA 98134

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co. Facility # 01-600

PO # 0440-004-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B103-37.5	B103	~~37.5~~ 37.5	01A-E	3-18-09	0815	S	5									
B103-40		40	02A-E		0820	S										Received 3 VOA ~~4 BTEX~~ ,V
B103-42.5		42.5	03A-E		0825	S										
B103-45		45	04A-E		0830											
B103-47.5		47.5	05A-E		0835											
B103-50		50	06A-E		0845											
B103-52.5		52.5	07A-E		0850											
B103-55		55	08A-E		0855											
B103-57.5		57.5	09A-E		0900											
B103-60		60	10A-E		0905											
B103-62.5		62.5	11A-E		0910											
B103-65		65	12A-E		0915											
B103-67.5		67.5	13A-E		0920											

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Peter Kingston	SES	3/18/09	1455
Received by:		Michael Erdahl	FEBinc	3/18/09	1455
Relinquished by:					
Received by:			Samples received at 2 °C		

903175

SAMPLE CHAIN OF CUSTODY

ME 03/18/09 B05/V53

Page # 2 of 2

Send Report To

Company See Page 1

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co Facility #01-600

PO #: 0440-COM-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B103-70	B103	70	14AE	3-18-09	0925	S	5									
B103-72.5		72.5	15AE		0930											
B103-75		75	16AE		0935											
B103-77.5		77.5	17AE		0940											
B103-87.5		87.5	18AE		0945											
B103-99		99	19AE		1020											

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Pete Kingston	SES	3/18/09	1455
Received by:		Michael Erdahl	FB	3/18/09	1455
Relinquished by:			Samples received at 2 °C		
Received by:					

903177

SAMPLE CHAIN OF CUSTODY

ME 03-18-09 B05/VS2

Page # 1 of 6

Send Report To Tim Brown

Company SES

Address 2400 Airport Way S

City, State, ZIP Seattle, WA

Phone # 206-306-1900 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Facility # a-600

PO # 0440-004-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- Standard (2 Weeks)
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- Dispose after 30 days
- Return samples
- Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
				3-17-09				ANALYSES REQUESTED								
B104-02	B104	2	01 A-E	~~0825~~ BS	0825	S	5									
B104-04		4	02 A-E	3-17-09	0830		5									
B104-06		6	03 A-E		0832		5									
~~B104-085~~ B104-08		~~8.5~~	04 A-E		0835		5									
B104-10		10	05 A-C		0840		3									
B104-12		12	06 A-E		0845		5									
B104-14		14	07 A-C		0847		3									
B104-16		16	08 A-E		0850		5									
B104-18		18	09 A-C		0855		3									
B104-20		20	10 A-E		0858		5									
B104-22		22	11 A-E		0905		5									
B104-24		24	12 A-E		0907		5									
B105-03	B105	3	13 A-E		0945		6									Samples received at 4 C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3.18	16:00
Received by:	Bgie Schyan	SES	3-18	
Relinquished by:	Bgie Schyan	SES		
Received by:	Eric Gerwic	FAB		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903177

SAMPLE CHAIN OF CUSTODY ME 03/18/09

B05/VSZ

Page # 2 of 6

Send Report To

Company

Address

City, State, ZIP Seattle

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Facility #01600

PO # 0440-004-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B105-05	B105	5	14 A-F	3-17-09	0949	S	6									
B105-07		7	15 A-F		0955		6									
B105-08.5		8.5	16 A-F		0958		6									
B105-10		10	17 A-D		1005		4									
B105-13		13	18 A-F		1010		6									
B105-15		15	19 A-D		1015		4									
B105-17		17	20 A-F		1018		6									
B105-20		20	21 A-F		1020		6									
B105-22		22	22 A-F		1025		6									
B106-02	B106	02	23 A-F		1100		6									
B106-04		4	24 A-F		1105		6									
B106-06		6	25 A-F		1107		6									
B106-08		8	26 A-E		1110		5 (35)									

ANALYSES REQUESTED

Samples received at 4 °C

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	3-18	1655
Received by:		Brian Johnson	SES	3-18-09	1655
Relinquished by:		Brian Johnson	SES	3-18-09	1700
Received by:		Eric Young	FPB	3/18/09	1

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903177

SAMPLE CHAIN OF CUSTODY ME 03/18/09 805/852

Page 2 of 10

Send Report To

Company

Address Page

City, State, ZIP See

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Sailing #01-600

PO # a4490-604-tq

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	RCRA 8 Metals			Notes
B106-12	B106	12	27 A-F	3-17-09	1117	S	6									
B106-14	"	14	28 A-F	"	1120	"	6									
B106-16		16	29 A-D		1120		4									
B106-18		18	30 A-F		1135		6									
B106-20		20	31 A-D		1150		4									
B106-25	"	25	32 A-F		1155	"	6									
B107-03	B107	3	33 A-F		1247		6									
B107-05		5	34 A-F		1250		6									
B107-07		7	35 A-F		1255		6									
B107-09		9	36 A-F		1300		6									
B107-11		11	37 A-F		1305		6									
B107-13		13	38 A-D		1315		4									
B107-17	"	17	39 A-D	"	1315	"	4									

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3 18	1655
Received by:	Ben Sohn	SES	3-8-09	1655
Relinquished by:	Ben Sohn	SES	3-18-09	1710
Received by:	Eric Jones	F I	3/18/09	1720

FORMS\COC\SESGEMSR1.DOC (Revision 1)

903177

SAMPLE CHAIN OF CUSTODY ME 03/18/09 B05/152

Page #: 1 of 1

Send Report To

Company

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Fault No. 3-603

PO # 0440-004-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B107-19	B107	19	40 A-F	3-17-09	1320	Soil	6									
B107-22	"	22	41 A-D	"	1325	"	4									
B107-25	"	25	42 A-F	"	1327	"	6									
B108-02	B108	2	43 A-F	"	1405	"	6									
B108-04	"	4	44 A-F	"	1410	"	6									
B108-06	"	6	45 A-G	"	1412	"	5									
B108-08	"	8	46 A-G	"	1410	"	5									
B108-11.5	"	11.5	47 A-F	"	1428	"	6									
B108-14	"	14	48 A-D	"	1430	"	4									
B108-16	"	16	49 A-F	"	1437	"	6									
B108-18	"	18	50 A-F	"	1440	"	6									
B109-02	B109	2	51 A-E	"	1500	"	5									
B109-04	"	4	52 A-G	"	1505	"	5					Sample received at 4 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3.18	1655
Received by:	Beau Schroder	SES	3-18-09	1655
Relinquished by:	Beau Schroder	SES	3-18-09	1720
Received by:	Eric Spencer	F&B	3/18/09	

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903177

SAMPLE CHAIN OF CUSTODY

Send Report To

Company

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Facility No. 51-600

PO # 0440-004-19

REMARKS

GEMS Y / N

☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B109-06	B109	6	53 A-E	3-17-09	1510	Soil	5									
B109-08		8	54 A-E		1515		5									
B109-10		10	55 A-F		1520		6									
B109-12		12	56 A-D		1523		4									
B109-15		15	57 A-D		1535		4									
B109-17		17	58 A-F		1538		6									
B109-20		20	59 A-F		1545		6									
B109-23	↓	23	60 A-F		1548		6									
B110-02	B110	2	61 A-E		1600		5									
B110-04		4	62 A-E		1605		5									
B110-07		7	63 A-E		1607		5									
B110-11		11	64 A-F		1620		6									
B110-13	↓	13	65 A-F	↓	1625	↓	6									

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Bruya	SES	3/18	1655
Received by:		Beau Thun	SES	3-18-09	1655
Relinquished by:		Beau Thun	SES	3-18-09	1740
Received by:		Eric Young	FFB	3/18/09	1

903177

SAMPLE CHAIN OF CUSTODY ME 03/18/09

Page # 6 of 6

Send Report To

Company ONE

Address

City, State, ZIP See Page

Phone # Fax #

SAMPLERS (signature)	
PROJECT NAME/NO. TPC Holdings Co Facility No - 01-600	PO # 0440-00449
REMARKS	GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B110-16	B110	16	66 A-D	3-17-09	1635	Soil	4									
B110-18		18	67 A-D		1640		4									
B110-21		21	68 A-F		1650		6									
B110-24		24	69 A-F		1655		6									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3-18	1655
Received by:	Beau Johnson	SBS	3-18-09	1655
Relinquished by:	Beau Johnson	SBS	3-18-09	1720
Received by:	Eric Schmidt	FedX	3/18/09	

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903178

ME 03/18/09 VS3/B05

~~Libby Environmental, Inc.~~ Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 3-17-2009 Page: 1 of 3

Client: ~~TOC~~ SES

Project Manager: Tim Brown, C.C. Erin Beatman

Address: 2100 Airport Way S

Project Name: Seattle terminal 01600

Phone: 206.306.1900 Fax: 206.306.1907

Location: 2737 W Commodore Way

Client Project # 0440-004-19

Collector: JAB/APH

Date of Collection: 3-18-09

	Sample Number	Depth	Time	Sample Type	Lab ID (NP) Container ~~Type~~	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals		Field Note/# Containers
1	B111-03	03	0815	Soil	01 A-C													Hold 3
2	B111-12	12	0825		02 A-F													6
3	B111-14	14	0830		03 A-F													6
4	B111-16	16	0835		04 A-F													6
5	B111-21	21	0845		05 A-F													6
6	B111-24	24	0850		06 A-F													6
7	B112-03	03	0930		07 A-E													5
8	B112-05	05	0935		08 A-E													4 (5)
9	B112-07	07	0940		09 A-E													5
10	B112-09	09	0945		10 A-E													5
11	B112-11	11	0950		11 A-F													6
12	B112-13	13	0955		12 A-D													4
13	B112-16	16	1000		13 A-D													4
14	B112-18	18	1005		14 A-F													6
15	B112-21	21	1010		15 A-F													6
16	B113-04	04	1040		16 A-E													5
17	B113-08	08	1050		17 A-E													5
18	B113-11.5	11.5	1055		18 A-D													4

Relinquished by:	Date / Time	Received by	Date / Time
	3-18-09/1745		03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

Samples received at 4 °C

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

903178

ME 03/18/09 V33/B05

Chain of Custody Record

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: _____ Page: 2 of 3

Client: _____ Project Manager: _____

Address: _____ Project Name: _____

Phone: _____ Fax: _____ Location: _____

Client Project # _____ Collector: _____ Date of Collection: _____

Sample Number	Depth	Time	Sample Type	Lab ID (NP) Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals		Field Note/# Containers
1 B113-13.5	13.5	1100	S	19 A-F													Hold 6
2 B113-16	16	1105		20 A-F													6
3 B113-18	18	1110		21 A-F													6
4 B114-04	04	1145		22 A-E													5
5 B114-08	08	1155		23 A-E													4(5)
6 B114-12	12	1200		24 A-F													6
7 B114-14	14	1205		25 A-F													6
8 B114-16	16	1208		26 A-F													6
9 B114-18	18	1210		27 A-D													4
10 B114-21	21	1220		28 A-D													4
11 B114-22	22	1225		29 A-F													6
12 B115-03	03	1310		30 A-C													3
13 B115-08	08	1315		31 A-E													5
14 B115-12	12	1320		32 A-C													3
15 B115-14	14	1325		33 A-F													6
16 B115-16	16	1330		34 A-F													6
17 B115-18	18	1335		35 A-F													6
18 B115-21	21	1400		36 A-F													6

Samples received at 4 °C

Relinquished by:	Date / Time	Received by	Date / Time
	3-18-09/1745		03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

903178

ME 03/18/09 VS3/B05

~~Libby Environmental Inc.~~ Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: _____ Page: 3 of 3

Client: _____ Project Manager: _____

Address: _____ Project Name: _____

Phone: _____ Fax: See Pg Location: _____

Client Project # _____ Collector: _____ Date of Collection: _____

Sample Number	Depth	Time	Sample Type	~~Container~~ Lab ID Type (no)	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals	Field Note/# Containers
1 B116-03	03	1420	S	37 A-D												Hold 4
2 B116-07	07	1430		38 A-E												5
3 B116-10	10	1435		39 A-F												6
4 B116-13	13	1440		40 A-F												6
5 B116-16	16	1450		41 A-D												4
6 B116-19	19	1455		42 A-F												6
7 B116-22	22	1500		43 A-F												6
8 B116-25	25	1515		44 A-F												6
9 B116-28	28	1520		45 A-F												6
10 B111-19	19	0940	↓	46 A-D												↓ 4
11																
12																
13																
14																
15																
16																
17																
18																

Samples received at 4 °C

Relinquished by:	Date / Time	Received by	Date / Time
	3-18-09/1745		03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:	
Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

Client Information and Summary		Sample Information and Summary	
TEG Project Number:	L090317-10	# of Samples by Type:	
Chemist(s):	Sherry Chilcutt	Soils	
Start (Collection) Date:		Waters	
End (Analysis) Date:	3/17/2009	Soil Vapor	
Client:	Sound Environmental Strategies	# of Days:	
Project Manager:		On-site (Y/N):	
Telephone:		Outlab Analyses (Y/N):	
Fax:			
Client Project Number:	0440-004-19	# of Analyses by Type:	
Client Job Name:	TOC HOLDINGS CO FACILITY NO	VOC 8021B	
City, State:	Seatttle, Washington	BTEX 8020	
		TPH-418.1	
		Gasoline 8015	
		Diesel 8015	
		Oil 8015	
		PAH 8100	
		Pesticides 8081	
		PCB 8082	
		Total Lead 7420	
		Total Cadmium 7130	
		Total Chromium 7190	
		Total Arsenic 7061	
		TCLP Lead 7420	
		TCLP Cadmium 7130	
		TCLP Chromium 7190	
		TCLP Arsenic 7061	

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B104-14	B104-14 Dup	B104-18	B105-10	B105-15
Date Extracted	Reporting	N/A	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	0.16	0.15	0.11	nd	0.27
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	3.76	4.30	3.09	0.091	9.03
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B104-14	B104-14 Dup	B104-18	B105-10	B105-15
Date Extracted	Reporting	N/A	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloroprop	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		100	98.5	98.2	92.8	84.5	98.1
1,2-Dichloroethane-d4		92.7	99.8	106	98.6	107	109
Toluene-d8		97.3	94.8	99.1	95	98.5	100
4-Bromofluorobenzene		100	102	107	100	105	101

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: B106-20							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.50	0.41	82	0.50	0.46	92	11.5
Benzene	0.50	0.51	102	0.50	0.53	106	3.8
Toluene	0.50	0.51	102	0.50	0.55	110	7.5
Chlorobenzene	0.50	0.51	102	0.50	0.55	110	7.5
Trichloroethene (TCE)	0.50	int		0.50	int		
Surrogate Recovery							
Dibromofluoromethane			82.7			98.9	
1,2-Dichloroethane-d4			112			114	
Toluene-d8			103			104	
4-Bromofluorobenzene			106			107	

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.50	0.55	110
Benzene	0.50	0.51	102
Toluene	0.50	0.51	102
Chlorobenzene	0.50	0.53	106
Trichloroethene (TCE)	0.50	0.53	106
Surrogate Recovery			
Dibromofluoromethane			100
1,2-Dichloroethane-d4			91
Toluene-d8			100
4-Bromofluorobenzene			97

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B106-16	B106-20	B107-13	B107-17	B108-14	B109-12
Date Extracted	Reporting	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	0.13	0.02	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	0.078	0.99	0.55	0.51	nd	0.12
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	5.17	36.0	110	30.5	0.42	1.55
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd
Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B106-16	B106-20	B107-13	B107-17	B108-14	B109-12
Date Extracted	Reporting	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09	3/17/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloroprop	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		97.3	88.7	96.6	84.3	96.2	87.8
1,2-Dichloroethane-d4		114	108	97.8	97.1	105	96.4
Toluene-d8		102	101	97	98.5	98.9	97.8
4-Bromofluorobenzene		107	106	103	104	100	108

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

"nd" Indicates not detected at listed detection limit.
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B109-15	B110-10	B110-16
Date Extracted	Reporting	3/17/09	3/17/09	3/17/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd
Bromomethane	0.09	nd	nd	nd
Chloroethane	0.06	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd
cis-1,2-Dichloroethene	0.02	0.032	0.21	0.026
Chloroform	0.02	nd	nd	nd
1,1,1-Trichloroethane (TCA	0.02	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd
Benzene	0.02	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd
Trichloroethene (TCE)	0.03	0.90	4.20	0.80
1,2-Dichloropropane	0.02	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd
Toluene	0.02	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	0.03	nd	nd	nd
Styrenes	0.02	nd	nd	nd

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B109-15	B110-10	B110-16
Date Extracted	Reporting	3/17/09	3/17/09	3/17/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd
1,2-Dibromo-3-Chloroprop	0.03	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd
Naphthalene	0.03	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		103	101	95.7
1,2-Dichloroethane-d4		113	95.1	116
Toluene-d8		100	96.2	97.6
4-Bromofluorobenzene		106	102	103

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%
ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B107-22	B104-10	B111-03	B111-03 Dup	B111-18
Date Extracted	Reporting	N/A	3/17/09	3/17/09	3/18/09	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	0.039
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	nd	0.17	0.061	0.037	0.035	0.35
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	6.0	2.5	0.032	0.040	20.3
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B107-22	B104-10	B111-03	B111-03 Dup	B111-18
Date Extracted	Reporting	N/A	3/17/09	3/17/09	3/18/09	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloroprop	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		88.3	104	101	99.1	94.6	96.8
1,2-Dichloroethane-d4		73.8	102	104	116	84.5	105
Toluene-d8		98	99	102	109	106	102
4-Bromofluorobenzene		94.4	104	106	95.1	104	103

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: B103-40							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.50	0.55	110	0.50	0.53	106	3.7
Benzene	0.50	0.55	110	0.50	0.54	108	1.8
Toluene	0.50	0.58	116	0.50	0.58	116	0.0
Chlorobenzene	0.50	0.54	108	0.50	0.55	110	1.8
Trichloroethene (TCE)	0.50	0.42	84	0.50	0.45	90	6.9
Surrogate Recovery							
Dibromofluoromethane			101			101	
1,2-Dichloroethane-d4			104			107	
Toluene-d8			102			105	
4-Bromofluorobenzene			107			107	

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.50	0.62	124
Benzene	0.50	0.54	108
Toluene	0.50	0.54	108
Chlorobenzene	0.50	0.56	112
Trichloroethene (TCE)	0.50	0.57	114
Surrogate Recovery			
Dibromofluoromethane			79
1,2-Dichloroethane-d4			107
Toluene-d8			98
4-Bromofluorobenzene			88

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B112-13	B112-16	B113-11.5	B114-18	B114-21	B116-03
Date Extracted	Reporting	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.02	0.098	0.22	0.035	0.11	0.042	nd
Chloroform	0.02	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA	0.02	nd	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	1.08	3.26	nd	2.82	2.29	0.21
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	0.03	nd	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B112-13	B112-16	B113-11.5	B114-18	B114-21	B116-03
Date Extracted	Reporting	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloroprop	0.03	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Surrogate Recovery							
Dibromofluoromethane		99.9	96.9	96.9	101	93.6	103
1,2-Dichloroethane-d4		101	105	121	106	107	108
Toluene-d8		99.8	95.2	101	96.8	99.9	101
4-Bromofluorobenzene		106	106	102	108	103	110

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B116-16	B115-03	B115-12
Date Extracted	Reporting	3/18/09	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd
Chloromethane	0.06	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd
Bromomethane	0.09	nd	nd	nd
Chloroethane	0.06	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd
trans-1,2-Dichloroethene	0.02	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd
cis-1,2-Dichloroethene	0.02	0.20	nd	nd
Chloroform	0.02	nd	nd	nd
1,1,1-Trichloroethane (TCA	0.02	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd
Benzene	0.02	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	0.037
1,2-Dichloropropane	0.02	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd
Toluene	0.02	nd	nd	nd
Trans-1,3-Dichloropropene	0.03	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	0.03	nd	nd	nd
Styrenes	0.02	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B116-16	B115-03	B115-12
Date Extracted	Reporting	3/18/09	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd
1,2-Dibromo-3-Chloroprop	0.03	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd
Naphthalene	0.03	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		106	98.8	98.6
1,2-Dichloroethane-d4		107	106	112
Toluene-d8		102	99.9	93.8
4-Bromofluorobenzene		109	114	99.9

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B102-17.5	B102-20	Method Blank	B103-40
Date Extracted	Reporting	N/A	3/17/09	3/17/09	N/A	3/18/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dichlorodifluoromethane	0.06	nd	nd	nd	nd	nd
Chloromethane	0.06	nd	nd	nd	nd	nd
Vinyl chloride	0.02	nd	nd	nd	nd	nd
Bromomethane	0.09	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.05	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd
Methylene chloride	0.02	nd	nd	nd	nd	nd
trans -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd
cis -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TC	0.02	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd
Benzene	0.02	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	1.26	nd	nd	0.18
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd
Dibromomethane	0.04	nd	nd	nd	nd	nd
Bromodichloromethane	0.02	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd
Toluene	0.02	nd	nd	nd	nd	nd
Trans-1,3-Dichloropropen	0.03	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
1,3-Dichloropropane	0.05	nd	nd	nd	nd	nd
Dibromochloromethane	0.03	nd	nd	nd	nd	nd
1,2-Dibromoethane (EDB)	0.005	nd	nd	nd	nd	nd
Chlorobenzene	0.02	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.03	nd	nd	nd	nd	nd
Ethylbenzene	0.03	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
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Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	0.03	nd	nd	nd	nd	nd
Styrenes	0.02	nd	nd	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method Blank	B102-17.5	B102-20	Method Blank	B103-40
Date Extracted	Reporting	N/A	3/17/09	3/17/09	N/A	3/18/09
Date Analyzed	Limits	3/17/09	3/17/09	3/17/09	3/18/09	3/18/09
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromoform	0.02	nd	nd	nd	nd	nd
Isopropylbenzene	0.08	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	0.02	nd	nd	nd	nd	nd
Bromobenzene	0.03	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.02	nd	nd	nd	nd	nd
n-Propylbenzene	0.02	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	0.02	nd	nd	nd	nd	nd
tert-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	0.02	nd	nd	nd	nd	nd
sec-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
Isopropyltoluene	0.02	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
n-Butylbenzene	0.02	nd	nd	nd	nd	nd
1,2-Dibromo-3-Chloropro	0.03	nd	nd	nd	nd	nd
1,2,4-Trichlorolbenzene	0.05	nd	nd	nd	nd	nd
Hexachloro-1,3-butadiene	0.10	nd	nd	nd	nd	nd
Naphthalene	0.03	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		100	78.8	107	88.3	93.2
1,2-Dichloroethane-d4		92.7	103	94.4	73.8	93.2
Toluene-d8		97.3	104	103	98	100
4-Bromofluorobenzene		100	105	104	94.4	100

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

QA/QC Data - EPA 8260B Analyses

Sample Identification: B106-20							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.50	0.41	82	0.50	0.46	92	11.5
Benzene	0.50	0.51	102	0.50	0.53	106	3.8
Toluene	0.50	0.51	102	0.50	0.55	110	7.5
Chlorobenzene	0.50	0.51	102	0.50	0.55	110	7.5
Trichloroethene (TCE)	0.50	int		0.50	int		
Surrogate Recovery							
Dibromofluoromethane			82.7			98.9	
1,2-Dichloroethane-d4			112			114	
Toluene-d8			103			104	
4-Bromofluorobenzene			106			107	

	Laboratory Control Sample		
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.50	0.55	110
Benzene	0.50	0.51	102
Toluene	0.50	0.51	102
Chlorobenzene	0.50	0.53	106
Trichloroethene (TCE)	0.50	0.53	106
Surrogate Recovery			
Dibromofluoromethane			100
1,2-Dichloroethane-d4			91
Toluene-d8			100
4-Bromofluorobenzene			97

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	B116 20090318	B116 Dup 20090318
Date Sampled	Reporting	N/A	3/18/09	3/18/09
Date Analyzed	Limits (ug/l)	3/18/09 (ug/l)	3/18/09 (ug/l)	3/18/09 (ug/l)
Dichlorodifluoromethane	2.0	nd	nd	nd
Chloromethane	2.0	nd	nd	nd
Vinyl chloride	0.2	nd	nd	nd
Bromomethane	2.0	nd	nd	nd
Chloroethane	2.0	nd	nd	nd
Trichlorofluoromethane	2.0	nd	nd	nd
1,1-Dichloroethene	2.0	nd	nd	nd
Methylene chloride	1.0	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd
2,2-Dichloropropane	2.0	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd	nd	nd
Chloroform	1.0	nd	nd	nd
1,1,1-Trichloroethane (TCA	1.0	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd
Benzene	1.0	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd
Toluene	1.0	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd
Dibromochloromethane	1.0	nd	nd	nd
1,2-Dibromoethane (EDB) *	0.01	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

Total Xylenes	1.0	nd	nd	nd
Styrenes	1.0	nd	nd	nd

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	B116 20090318	B116 Dup 20090318
Date Extracted	Reporting	N/A	3/18/09	3/18/09
Date Analyzed	Limits	3/18/09	3/18/09	3/18/09
	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Bromoform	1.0	nd	nd	nd
Isopropylbenzene	4.0	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd
n-Propylbenzene	1.0	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd
sec-Butylbenzene	1.0	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd
Isopropyltoluene	1.0	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd
1,2-Dibromo-3-Chloropropa	1.0	nd	nd	nd
1,2,4-Trichlorolbenzene	2.0	nd	nd	nd
Hexachloro-1,3-butadiene	5.0	nd	nd	nd
Naphthalene	5.0	nd	nd	nd
1,2,3-Trichlorobenzene	5.0	nd	nd	nd
Surrogate Recovery				
Dibromofluoromethane		88.3	102	105
Toluene-d8		73.8	107	106
1,2-Dichloroethane-d4		98	97.4	102
4-Bromofluorobenzene		94.4	105	101

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

TOC HOLDINGS CO FACILITY NO 01-600 PROJECT
Seatttle, Washington
Sound Environmental Strategies
Libby Env.Project No.L090317-10

QA/QC Data - EPA 8260B Analyses

	Laboratory Control Sample		
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	12.4	124
Benzene	10	10.7	107
Toluene	10	10.9	109
Chlorobenzene	10	11.2	112
Trichloroethene (TCE)	10	11.5	115

Surrogate Recovery	
Dibromofluoromethane	78.6
Toluene-d8	107
1,2-Dichloroethane-d4	97.5
4-Bromofluorobenzene	87.8

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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March 27, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 17, 2009 from the TOC_01-600_20090317 WORFDB2, F&BI 903171 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0327R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 17, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20090317 WORFDB2, F&BI 903171 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
903171-01	B102-02.5
903171-02	B102-05
903171-03	B102-07.5
903171-04	B102-10
903171-05	B102-12.5
903171-06	B102-15
903171-07	B102-17.5
903171-08	B102-20
903171-09	B102-22.5
903171-10	B102-25
903171-11	B102-27.5
903171-12	B102-39.5
903171-13	B103-05
903171-14	B103-10
903171-15	B103-15
903171-16	B103-20
903171-17	B103-30
903171-18	B103-31.5
903171-19	B103-34
903171-20	B103-36
903171-21	B102-30

All quality control requirements were acceptable.

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171
Date Extracted: 03/18/09 and 03/24/09
Date Analyzed: 03/18/09 and 03/24/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B102-02.5 903171-01	<0.02	<0.02	<0.02	<0.06	68	130
B102-07.5 903171-03	<0.02	<0.02	<0.02	<0.06	3	116
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	121
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	111

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171
Date Extracted: 03/18/09 and 03/24/09
Date Analyzed: 03/18/09 and 03/26/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B102-02.5 903171-01	320	350	98
B102-07.5 903171-03	<50	<250	102
Method Blank	<50	<250	95
Method Blank	<50	<250	88

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B102-02.5	Client:	Sound Environmental Strategies
Date Received:	03/17/09	Project:	TOC_01-600_20090317 WORFDB2
Date Extracted:	03/18/09	Lab ID:	903171-01
Date Analyzed:	03/18/09	Data File:	031805.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	42	152
Toluene-d8	84	36	149
4-Bromofluorobenzene	82	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.18
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	43 ve
Tetrachloroethene	0.070

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B102-02.5	Client:	Sound Environmental Strategies
Date Received:	03/17/09	Project:	TOC_01-600_20090317 WORFDB2
Date Extracted:	03/18/09	Lab ID:	903171-01 1/100
Date Analyzed:	03/18/09	Data File:	031809.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	0 ds	67	133
Toluene-d8	0 ds	70	130
4-Bromofluorobenzene	0 ds	76	145

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<5
Chloroethane	<50
1,1-Dichloroethene	<5
Methylene chloride	<50
trans-1,2-Dichloroethene	<5
1,1-Dichloroethane	<5
cis-1,2-Dichloroethene	<5
1,2-Dichloroethane (EDC)	<5
1,1,1-Trichloroethane	<5
Trichloroethene	44
Tetrachloroethene	<2.5

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B102-07.5	Client:	Sound Environmental Strategies
Date Received:	03/17/09	Project:	TOC_01-600_20090317 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903171-03
Date Analyzed:	03/24/09	Data File:	032319.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	152
Toluene-d8	109	36	149
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.12
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	14 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B102-07.5	Client:	Sound Environmental Strategies
Date Received:	03/17/09	Project:	TOC_01-600_20090317 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903171-03 1/10
Date Analyzed:	03/24/09	Data File:	032407.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	62	42	152
Toluene-d8	63	36	149
4-Bromofluorobenzene	68	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	15
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20090317 WORFDB2
Date Extracted:	03/18/09	Lab ID:	090365 mb
Date Analyzed:	03/18/09	Data File:	031804.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	42	152
Toluene-d8	96	36	149
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20090317 WORFDB2
Date Extracted:	03/23/09	Lab ID:	090371 mb
Date Analyzed:	03/23/09	Data File:	032306.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	42	152
Toluene-d8	92	36	149
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 903162-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	106	70-130
Toluene	mg/kg (ppm)	0.5	106	70-130
Ethylbenzene	mg/kg (ppm)	0.5	116	70-130
Xylenes	mg/kg (ppm)	1.5	112	70-130
Gasoline	mg/kg (ppm)	20	121	70-130

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 903178-37 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	102	70-130
Toluene	mg/kg (ppm)	0.5	100	70-130
Ethylbenzene	mg/kg (ppm)	0.5	112	70-130
Xylenes	mg/kg (ppm)	1.5	106	70-130
Gasoline	mg/kg (ppm)	20	102	70-130

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 903172-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	Relative Percent Difference	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	<50	<50	nm	0-20

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	97	100	70-135	3

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 903177-31 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	116	78-126	16

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	70-127

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	80	81	57-125	1
Chloroethane	mg/kg (ppm)	2.5	93	98	43-152	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	92	97	60-123	5
Methylene chloride	mg/kg (ppm)	2.5	86	88	57-130	2
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	104	99	78-118	5
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	97	81-116	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	103	101	82-118	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	97	82-120	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	105	103	79-120	2
Trichloroethene	mg/kg (ppm)	2.5	102	100	79-115	2
Tetrachloroethene	mg/kg (ppm)	2.5	109	107	79-119	2

Date of Report: 03/27/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 903171-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.12	0.12	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	15	15	0
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	96	90	57-125	6
Chloroethane	mg/kg (ppm)	2.5	135	128	43-152	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	81	80	60-123	1
Methylene chloride	mg/kg (ppm)	2.5	79	75	57-130	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	82	78-118	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	83	81	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	83	82-118	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	86	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	89	86	79-120	3
Trichloroethene	mg/kg (ppm)	2.5	81	80	79-115	1
Tetrachloroethene	mg/kg (ppm)	2.5	91	89	79-119	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

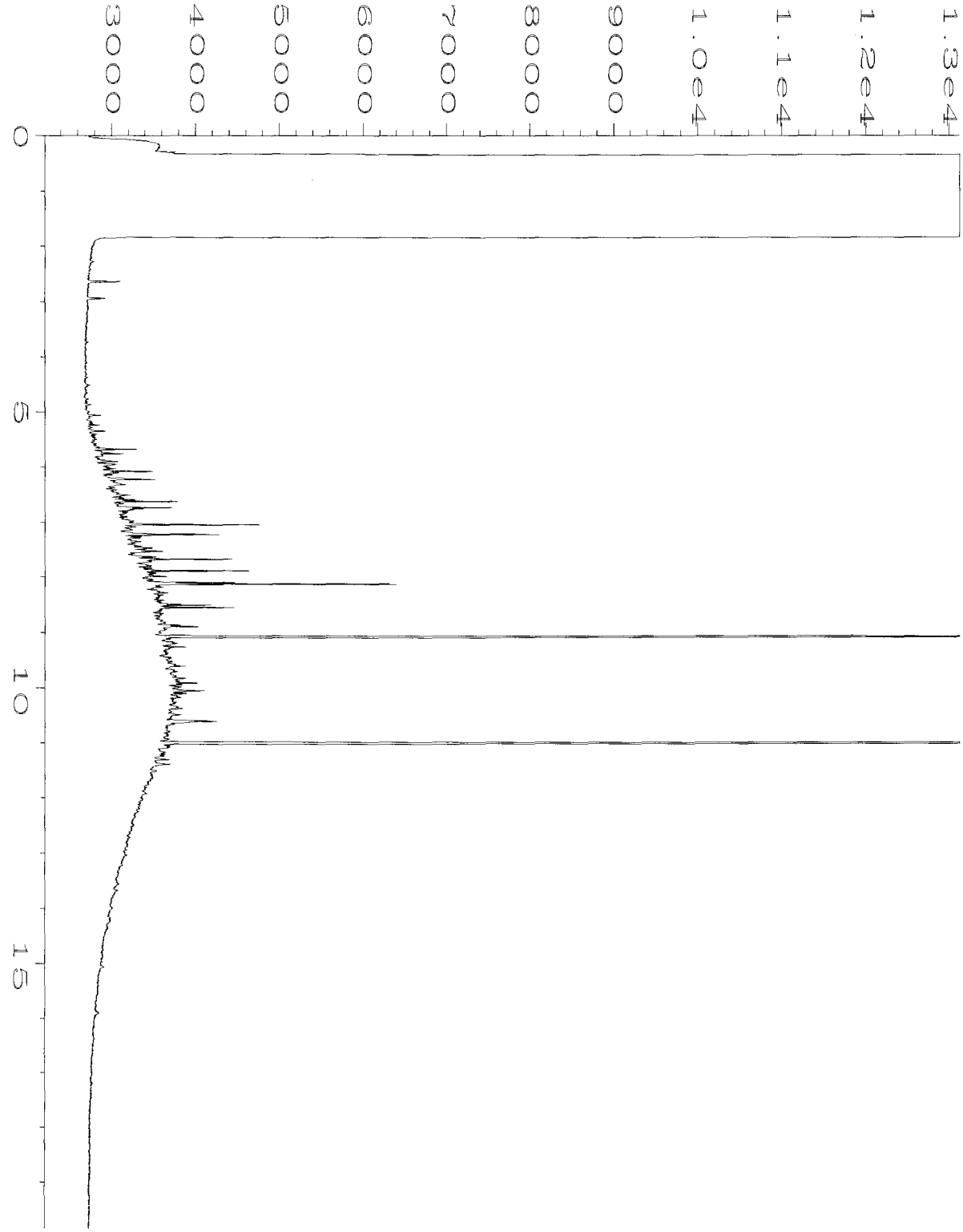
pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

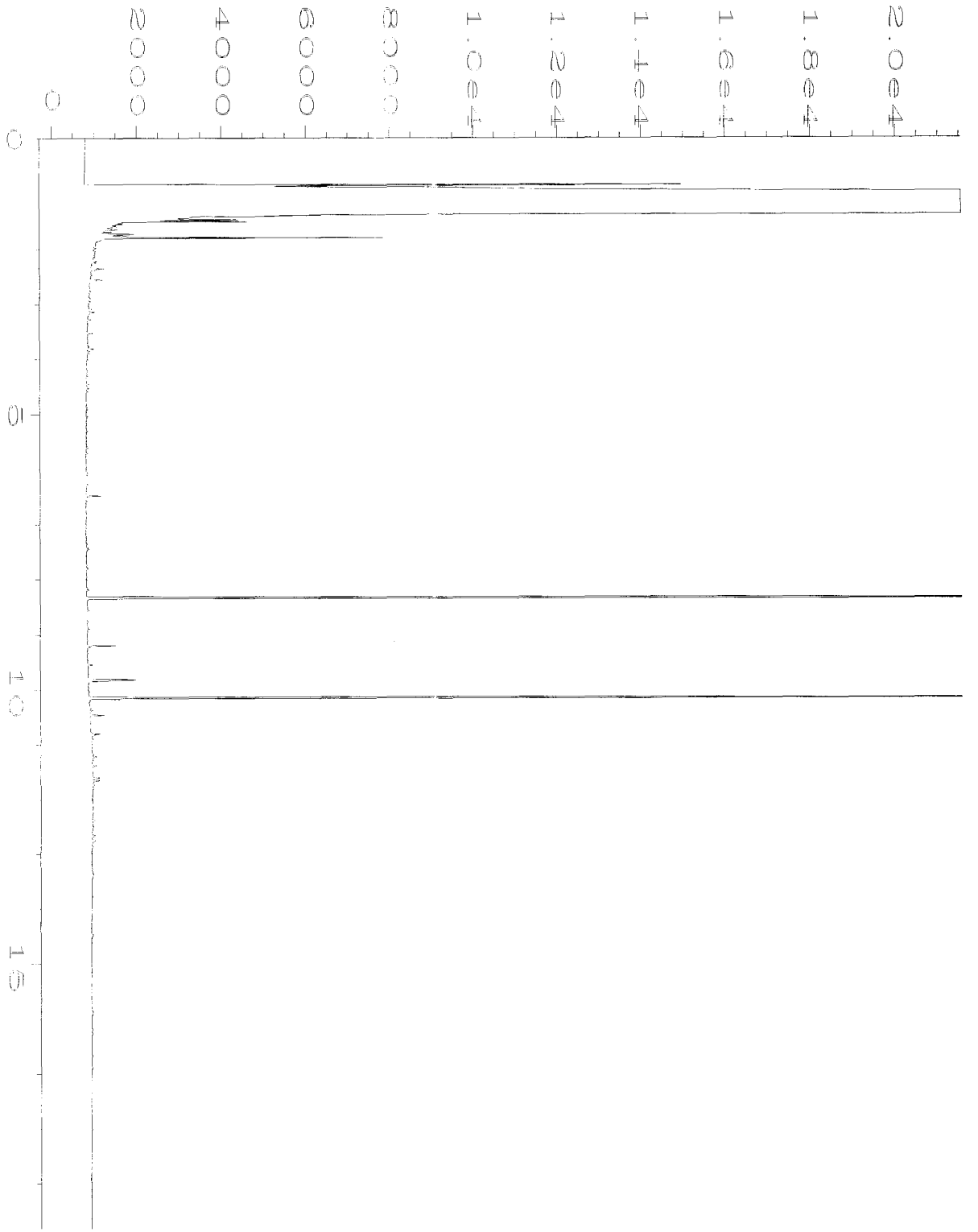
x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.



Data File Name : C:\HPCHEM\6\DATA\03-18-09\027F0901.D
Operator : ay
Instrument : GC #6
Sample Name : 903171-01
Run Time Bar Code:
Acquired on : 18 Mar 09 08:45 PM
Report Created on: 27 Mar 09 02:07 PM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\03-25-09\032F1101.D
Operator : ay
Instrument : GC#4
Sample Name : 903171-03
Run Time Bar Code:
Acquired on : 26 Mar 09 02:38 AM
Report Created on: 27 Mar 09 02:06 PM

Page Number : 1
Vial Number : 32
Injection Number : 1
Sequence Line : 11
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

903171

SAMPLE CHAIN OF CUSTODY

ME 03/17/09 VS3/B05

Page # 1 of 2

Send Report To Tim Brown
Company SES
Address 2400 Airport Way S. Ste 200
City, State, ZIP Seattle, WA 98134
Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) [signature]
PROJECT NAME/NO. TOC Holdings Co. facility No 01-600
PO # 0440-004-19
REMARKS
GEMS Y / N

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
																V-Same day
B102-02.5	B102	2.5	01 A-E	3/17/09	0840	Soil	5	X	X	X	✓					X-Std TAT
B102-05		5	02 A-E		0855											per TB 3/19/09 MG
B102-07.5		7.5	03 A-E		0900			X	X	X	X					e-added 3/23/09 MG
B102-10		10	04 A-E		0905											
B102-12.5		12.5	05 A-E		0910											
B102-15		15	06 A-E		0915		↓									
B102-17.5		17.5	07 A-B		0920		3									
B102-20		20	08 A-B		0925		3									
B102-22.5		22.5	09 A-E		0930		5									
B102-25		25	10 A-E		0935											
B102-27.5		27.5	11 A-E		0940											
B102-30.5	↓	30.5	12 A-E		1030											
B103-05	B103	5	13 A-E	↓	1255	↓	↓									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Dan Shann	SES	3-17-09	1720
Received by: A Yershova	Alexandra Yershova	F/B	〃	〃
Relinquished by:				
Received by:		Samples received at 5		°C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903171

SAMPLE CHAIN OF CUSTODY

ME 03/17/09 VS3/B03

Page # 2 of 2

Send Report To _____

Company _____ See Page One

Address _____

City, State, ZIP _____

Phone # _____ Fax # _____

SAMPLERS (signature) _____

PROJECT NAME/NO. | PO #

REMARKS | GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH _____
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B103-10	B103	10	14 A-E	3/17/09	1305	So-1	5									
B103-15		15	15 A-E		1310											
B103-20		20	16 A-E		1315											
B103-30		30	17 A-E		1350											
B103-31.5		31.5	18 A-E		1355											
B103-34		34	19 A-E		1405											
B103-36		36	20 A-E		1410											
B102-30	B102	30	21 A-E	3/17/09	0945	So-1	5									

Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Brian Sato	SES	3-17-09	1720
Received by:	A Yershova	Alexandra Yershova	FB	↓	↓
Relinquished by:					
Received by:					

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 8, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

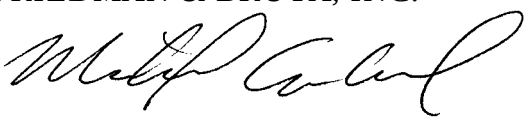
Dear Mr. Brown:

Included are the additional results from the testing of material submitted on March 17, 2009 from the TOC_01-600_20090317 WORFDB2, F&BI 903171 project. There are 4 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0408R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 17, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20090317 WORFDB2, F&BI 903171 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
903171-01	B102-02.5
903171-02	B102-05
903171-03	B102-07.5
903171-04	B102-10
903171-05	B102-12.5
903171-06	B102-15
903171-07	B102-17.5
903171-08	B102-20
903171-09	B102-22.5
903171-10	B102-25
903171-11	B102-27.5
903171-12	B102-39.5
903171-13	B103-05
903171-14	B103-10
903171-15	B103-15
903171-16	B103-20
903171-17	B103-30
903171-18	B103-31.5
903171-19	B103-34
903171-20	B103-36
903171-21	B102-30

All quality control requirements were acceptable.

Date of Report: 04/08/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171
Date Extracted: 03/31/09
Date Analyzed: 03/31/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B102-05 903171-02	<0.02	<0.02	<0.02	<0.06	<2	108
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	100

Date of Report: 04/08/09
Date Received: 03/17/09
Project: TOC_01-600_20090317 WORFDB2, F&BI 903171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 903267-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	103	70-130
Toluene	mg/kg (ppm)	0.5	105	70-130
Ethylbenzene	mg/kg (ppm)	0.5	107	70-130
Xylenes	mg/kg (ppm)	1.5	105	70-130
Gasoline	mg/kg (ppm)	20	118	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

903171

SAMPLE CHAIN OF CUSTODY

ME 03/17/09 VS3/805

Page # 1 of 2

Send Report To Tim Brown
Company SES
Address 2400 Airport Way S. Ste 200
City, State, ZIP Seattle, WA 98134
Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) [signature]
PROJECT NAME/NO. Tac Holdings Co. facility No 01-600
PO # 0440-004-09
REMARKS
X - standard TAT
✓ - same day TAT O - same day TAT
GEMS Y / N

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B102-02.5	B102	2.5	01 A-E	3/17/09	0840	Soil	5	X	X	X	✓					✓-Same day X-Std TAT
B102-05	↓	5	02 A-E	↓	0855	↓	↓		O	O						Per TB 3/16/09 MS Per JAB 3-31-09
B102-07.5		7.5	03 A-E		0900			X	X	X	X					per TB 3/23/09
B102-10		10	04 A-E		0905											
B102-12.5		12.5	05 A-E		0910											
B102-15		15	06 A-E		0915		↓									
B102-17.5		17.5	07 A-B		0920		3									
B102-20		20	08 A-B		0925		3									
B102-22.5		22.5	09 A-E		0930		5									
B102-25		25	10 A-E		0935											
B102-27.5		27.5	11 A-E		0940											
B102-30.5	↓	30.5	12 A-E		1030											
B103-05	B103	5	13 A-E	↓	1255	↓	↓									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Dean Brown	SES	3-17-09	1720
Received by: A Yershova	Alexandra Yershova	F/B	↓	↓
Relinquished by:				
Received by:		Samples received at 5		°C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903171

SAMPLE CHAIN OF CUSTODY

ME 03/17/09 VS3/B05

Page 2 of 2

Send Report To

Company

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. PO #

REMARKS GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B103-10	B103	10	14 A-E	3/17/09	1305	Soil	5									
B103-15	↓	15	15 A-E	↓	1310	↓	↓									
B103-20		20	16 A-E		1315											
B103-30		30	17 A-E		1350											
B103-31.5		31.5	18 A-E		1355											
B103-34		34	19 A-E		1405											
B103-36	↓	36	20 A-E	↓	1410	↓	↓									
B102-30	B102	30	21 A-E	3/17/09	0945	Soil	5									
																Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Ben Shaw	SES	3-17-09	1720
Received by:	A Yershova	Alexandra Yershova	FB	↓	↓
Relinquished by:					
Received by:					

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 27, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 18, 2009 from the TOC_01-600_20090318 WORFDB2, F&BI 903177 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0327R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 18, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20090318 WORFDB2, F&BI 903177 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
903177-01	B104-02
903177-02	B104-04
903177-03	B104-06
903177-04	B104-08
903177-05	B104-10
903177-06	B104-12
903177-07	B104-14
903177-08	B104-16
903177-09	B104-18
903177-10	B104-20
903177-11	B104-22
903177-12	B104-24
903177-13	B105-03
903177-14	B105-05
903177-15	B105-07
903177-16	B105-08.5
903177-17	B105-10
903177-18	B105-13
903177-19	B105-15
903177-20	B105-17
903177-21	B105-20
903177-22	B105-22
903177-23	B106-02
903177-24	B106-04
903177-25	B106-06
903177-26	B106-08
903177-27	B106-12
903177-28	B106-14
903177-29	B106-16
903177-30	B106-18
903177-31	B106-20
903177-32	B106-25
903177-33	B107-03
903177-34	B107-05
903177-35	B107-07
903177-36	B107-09
903177-37	B107-11
903177-38	B107-13

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
903177-39	B107-17
903177-40	B107-19
903177-41	B107-22
903177-42	B107-25
903177-43	B108-02
903177-44	B108-04
903177-45	B108-06
903177-46	B108-08
903177-47	B108-11.5
903177-48	B108-14
903177-49	B108-16
903177-50	B108-18
903177-51	B109-02
903177-52	B109-04
903177-53	B109-06
903177-54	B109-08
903177-55	B109-10
903177-56	B109-12
903177-57	B109-15
903177-58	B109-17
903177-59	B109-20
903177-60	B109-23
903177-61	B110-02
903177-62	B110-04
903177-63	B110-07
903177-64	B110-11
903177-65	B110-13
903177-66	B110-16
903177-67	B110-18
903177-68	B110-21
903177-69	B110-24

All quality control requirements were acceptable.

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903177
Date Extracted: 03/24/09
Date Analyzed: 03/24/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B104-14 903177-07	<0.02	<0.02	<0.02	<0.06	3	132
B105-15 903177-19	<0.02	<0.02	<0.02	<0.06	<2	137
B106-20 903177-31	<0.02	<0.02	<0.02	<0.06	<2	111
B107-13 903177-38	<0.02	<0.02	<0.02	<0.06	3	142
B110-11 903177-64	<0.02	<0.02	<0.02	<0.06	<2	127
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	121

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903177
Date Extracted: 03/24/09
Date Analyzed: 03/26/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B104-14 903177-07	<50	<250	92
B105-15 903177-19	<50	<250	93
B106-20 903177-31	<50	<250	91
B107-13 903177-38	<50	<250	95
B110-11 903177-64	<50	<250	93
Method Blank	<50	<250	88

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B104-04	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903177-02
Date Analyzed:	03/23/09	Data File:	032307.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	152
Toluene-d8	121	36	149
4-Bromofluorobenzene	124	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B105-03	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903177-13
Date Analyzed:	03/23/09	Data File:	032308.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	42	152
Toluene-d8	106	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B107-07	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903177-35
Date Analyzed:	03/23/09	Data File:	032309.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.19
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B108-08	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903177-46
Date Analyzed:	03/23/09	Data File:	032310.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	131	42	152
Toluene-d8	130	36	149
4-Bromofluorobenzene	126	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B109-06	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903177-53
Date Analyzed:	03/23/09	Data File:	032311.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	152
Toluene-d8	113	36	149
4-Bromofluorobenzene	112	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.24
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B110-04	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903177-62
Date Analyzed:	03/23/09	Data File:	032312.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.18
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	090371 mb
Date Analyzed:	03/23/09	Data File:	032306.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	42	152
Toluene-d8	92	36	149
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903177

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 903178-37 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	102	70-130
Toluene	mg/kg (ppm)	0.5	100	70-130
Ethylbenzene	mg/kg (ppm)	0.5	112	70-130
Xylenes	mg/kg (ppm)	1.5	106	70-130
Gasoline	mg/kg (ppm)	20	102	70-130

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903177

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 903177-31 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	116	78-126	16

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	70-127

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903177

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 903171-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.12	0.12	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	15	15	0
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	96	90	57-125	6
Chloroethane	mg/kg (ppm)	2.5	135	128	43-152	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	81	80	60-123	1
Methylene chloride	mg/kg (ppm)	2.5	79	75	57-130	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	82	78-118	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	83	81	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	83	82-118	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	86	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	89	86	79-120	3
Trichloroethene	mg/kg (ppm)	2.5	81	80	79-115	1
Tetrachloroethene	mg/kg (ppm)	2.5	91	89	79-119	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

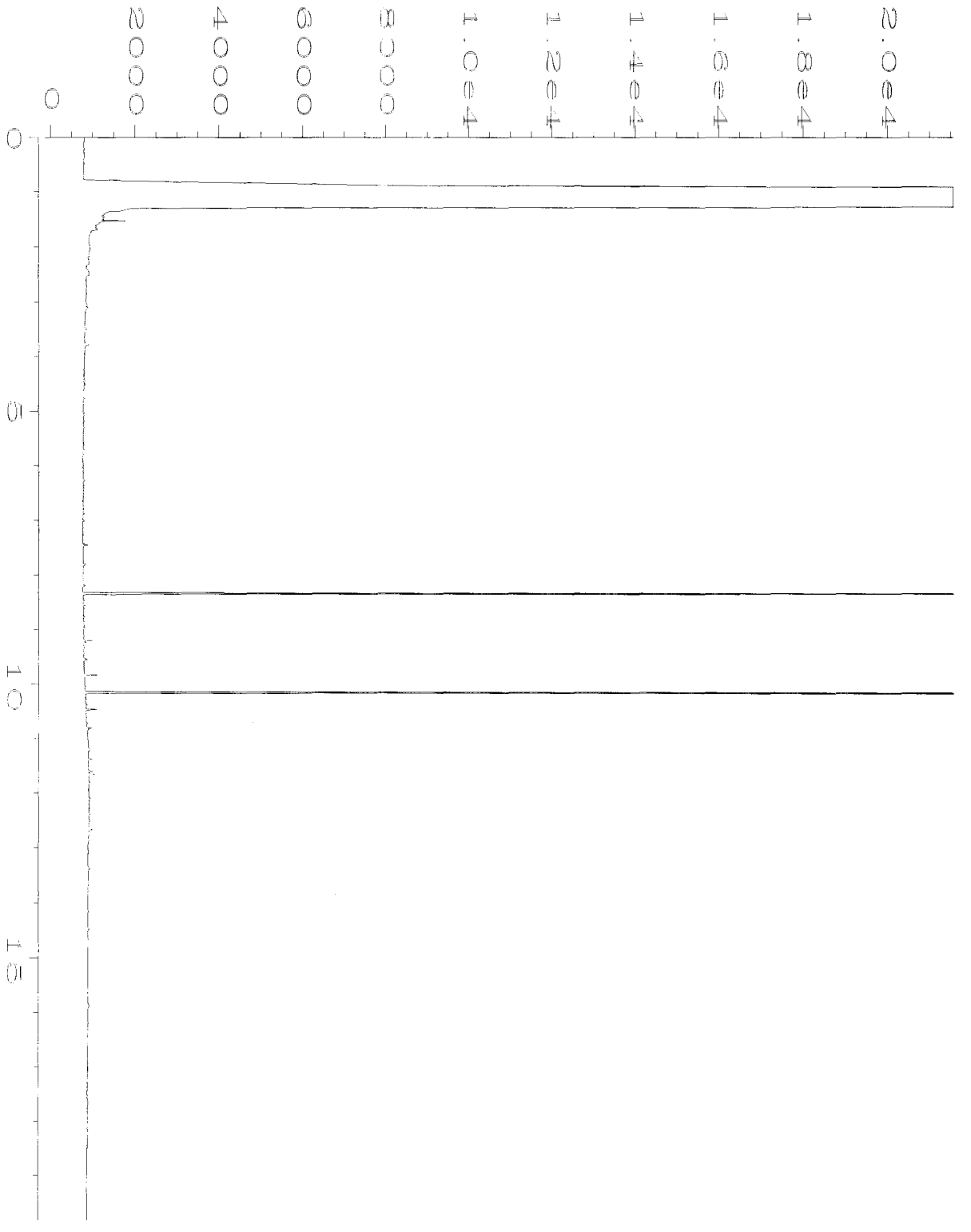
pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

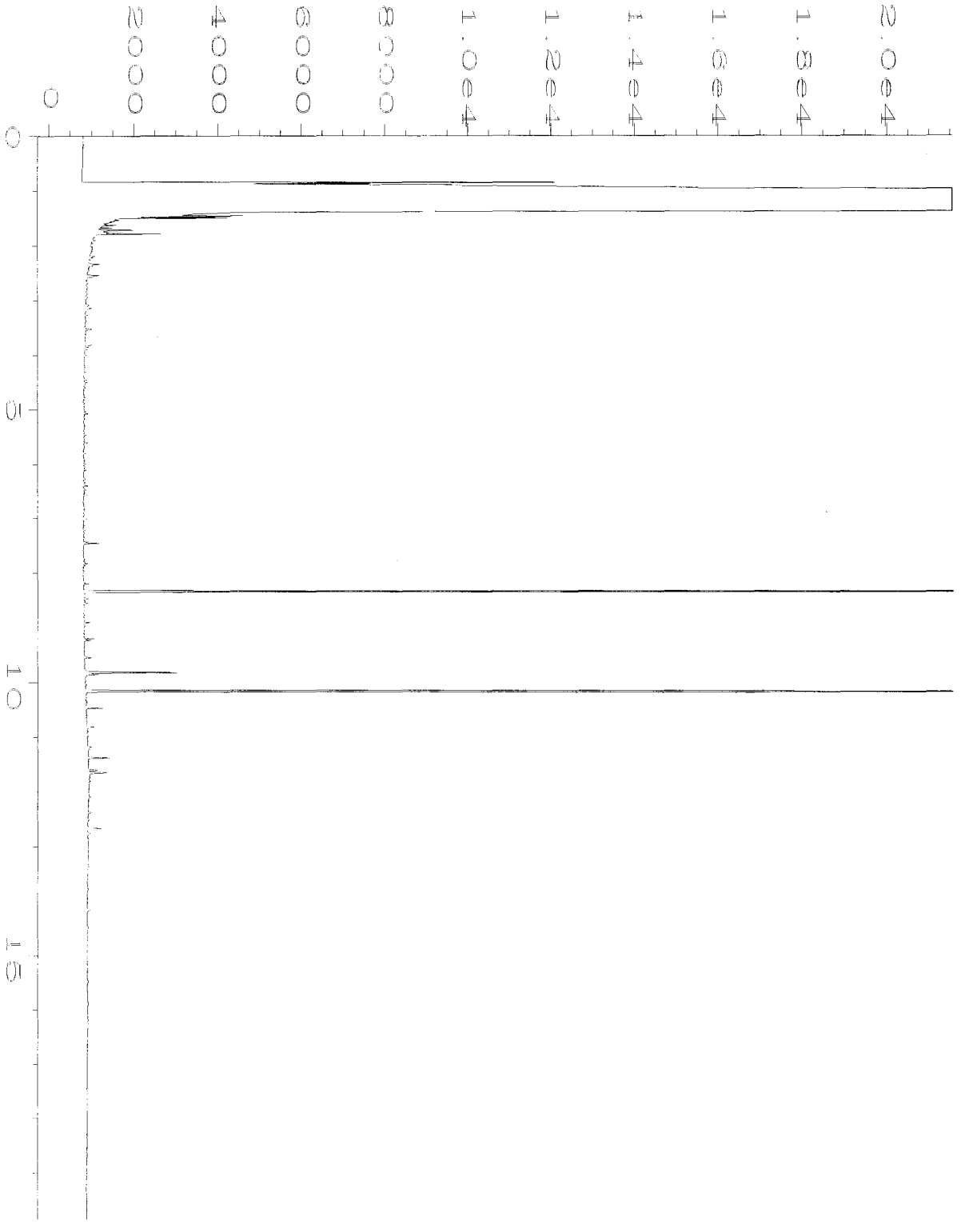
x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.



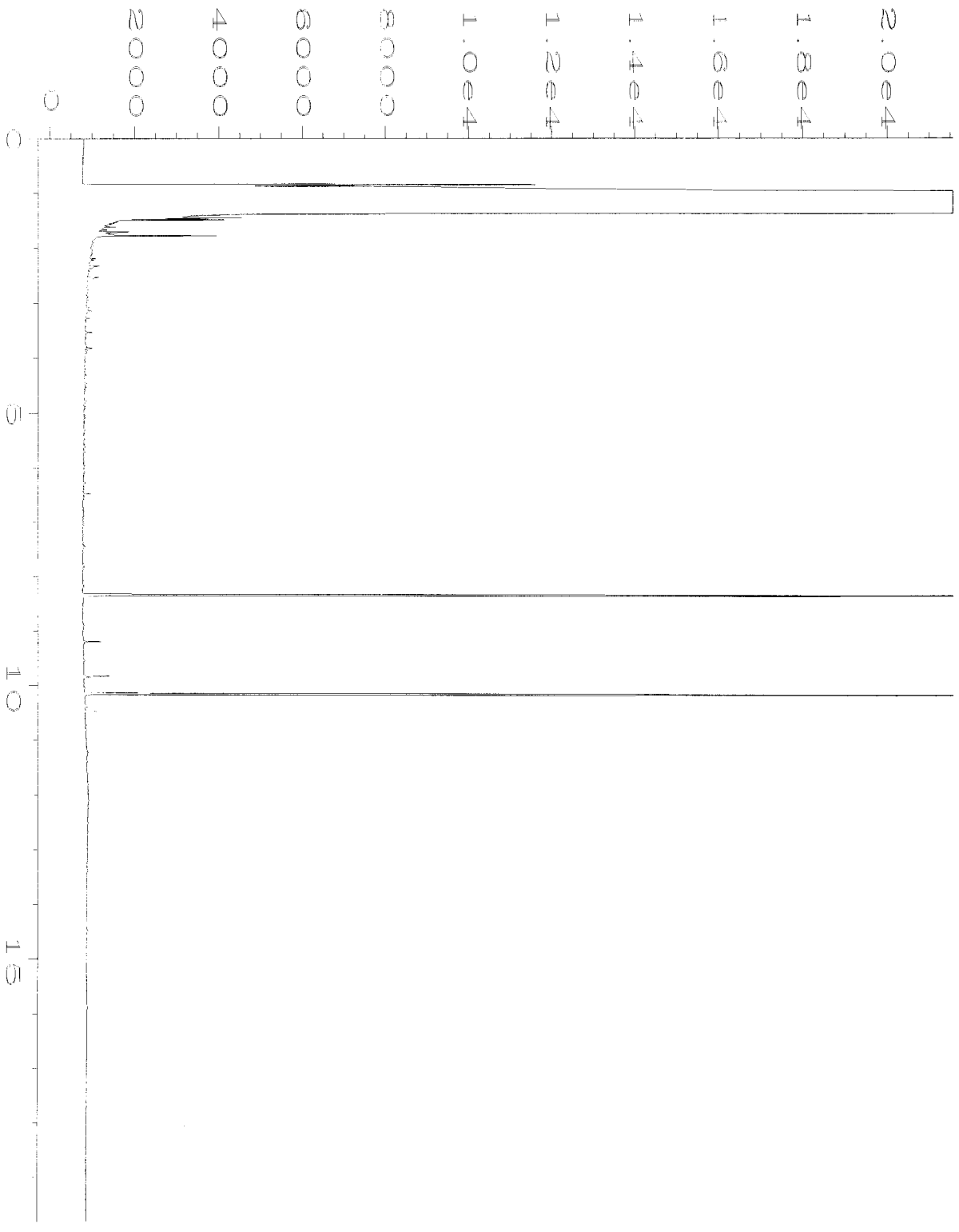
Data File Name : C:\HPCHEM\4\DATA\03-25-09\033F1101.D
Operator : ay
Instrument : GC#4
Sample Name : 903177-07
Run Time Bar Code:
Acquired on : 26 Mar 09 03:04 AM
Report Created on: 27 Mar 09 02:01 PM

Page Number : 1
Vial Number : 33
Injection Number : 1
Sequence Line : 11
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



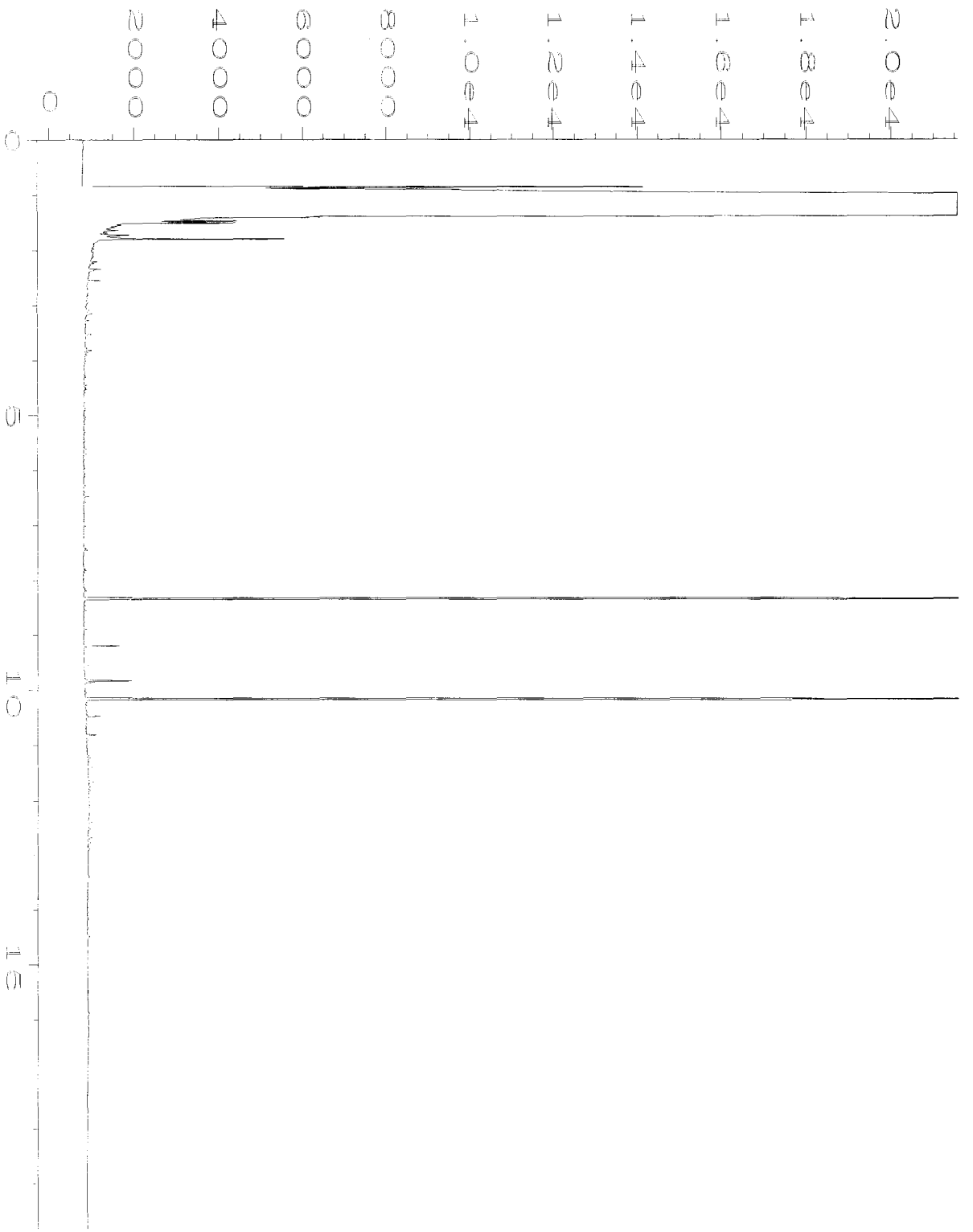
Data File Name : C:\HPCHEM\4\DATA\03-25-09\034F1101.D
Operator : ay
Instrument : GC#4
Sample Name : 903177-19
Run Time Bar Code:
Acquired on : 26 Mar 09 03:31 AM
Report Created on: 27 Mar 09 02:01 PM

Page Number : 1
Vial Number : 34
Injection Number : 1
Sequence Line : 11
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



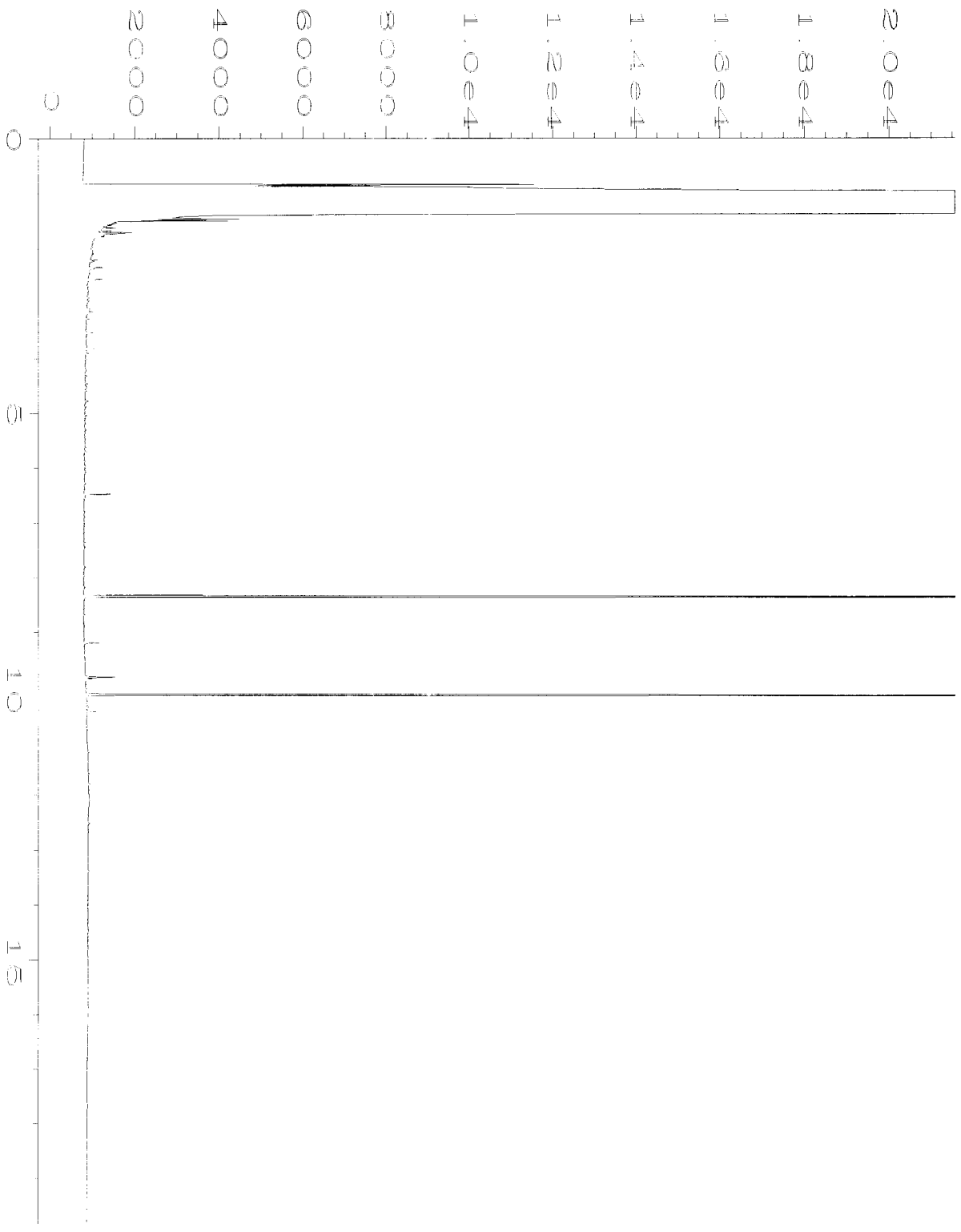
Data File Name : C:\HPCHEM\4\DATA\03-25-09\035F1101.D
Operator : ay
Instrument : GC#4
Sample Name : 903177-31
Run Time Bar Code:
Acquired on : 26 Mar 09 03:57 AM
Report Created on: 27 Mar 09 02:02 PM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 11
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\03-25-09\036F1101.D
Operator : ay
Instrument : GC#4
Sample Name : 903177-38
Run Time Bar Code:
Acquired on : 26 Mar 09 04:23 AM
Report Created on: 27 Mar 09 02:02 PM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 11
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\03-25-09\037F1101.D
Operator : ay
Instrument : GC#4
Sample Name : 903177-64
Run Time Bar Code:
Acquired on : 26 Mar 09 04:49 AM
Report Created on: 27 Mar 09 02:02 PM

Page Number : 1
Vial Number : 37
Injection Number : 1
Sequence Line : 11
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

903177

SAMPLE CHAIN OF CUSTODY

NE 03-18-09 B05/V2

Page # 1 of 6

Send Report To Tim Brown
Company SES
Address 2400 Airport Way S
City, State, ZIP Seattle, WA
Phone # 206-306-1900 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Facility # 01-600

PO # 0440-004-19

REMARKS

GEMS Y / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	cVOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
				3-17-09				ANALYSES REQUESTED								
B104-02	B104	2	01 A-E	~~0825~~ B5	0825	S	5									x-per TB3/23/09 MG
B104-04		4	02 A-E	3-17-09	0830		5				X					
B104-06		6	03 A-E		0832		5									
~~B104-0835~~	B104-08	~~8~~ 8	04 A-E		0835		5									
B104-10		10	05 A-C		0840		3									
B104-12		12	06 A-E		0845		5									
B104-14		14	07 A-C		0847		3	X	X	X						
B104-16		16	08 A-E		0850		5									
B104-18		18	09 A-C		0855		3									
B104-20		20	10 A-E		0858		5									
B104-22		22	11 A-E		0905		5									
B104-24		24	12 A-E		0907		5									
B105-03	B105	3	13 A-F		0945		6				X					

Samples received at 4 C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3.18	16:00
Received by:	Bryan Schaper	SES	3-18	
Relinquished by:	Dean Shin	SES		
Received by:	Eric Hervic	FedEx		

98177

SAMPLE CHAIN OF CUSTODY ME 03/18/09

B05 / VSZ

Page # 2 of 6

Send Report To

Company

Address

City, State, ZIP Sea Page 1

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Hanford Cask Facility #01668

PO# 04110-004-16

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Gx	NWTPH-Dx	BTEX by 8021	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B105-05	B105	5	14 A-F	3-17-09	0945	S	6									
B105-07		7	15 A-F		0955		6									
B105-08.5		8.5	16 A-F		1000		6									
B105-10		10	17 A-D		1005		4									
B105-13		13	18 A-F		1010		6									
B105-15		15	19 A-D		1015		4	X	X							
B105-17		17	20 A-F		1018		6									
B105-20		20	21 A-F		1020		6									
B105-22		22	22 A-F		1025		6									
B106-02	B106	02	23 A-F		1100		6									
B106-04		4	24 A-F		1105											
B106-06		6	25 A-F		1107											
B106-08		8	26 A-F		1110											Ship and receive at 4 °C

SIGNATURE	COMPANY	DATE	TIME
Relinquished by:		3-18	1655
Received by:	SES	3-18-09	1655
Relinquished by:	SES	3-18-09	1720
Received by:	FAB	3/18/09	1

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Fax (206) 283-5044

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Send Report To

Company

Address

City, State, ZIP

Phone #

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled		# of							Notes
B106	B106	12	27 A-F	3-17-09	1117	S	6							
B106-14		14	28 A-F		1120		6							
B106-16		16	29 A-D		1120		4							
B106-18		18	30 A-F		1135		6							
B106-20		20	31 A-D		1150		4	X	X	X				
B106-25		25	32 A-F		1155		6							
B107-03	B107	3	33 A-F		1247		6							
B107-05		5	34 A-F		1250		6							
B107-07		7	35 A-F		1255		6				X			
B107-09		9	36 A-F		1300		6							
B107-11		11	37 A-F		1303		6							
B107-13		13	38 A-D		1305		4	X	X	X				
B107-17		17	39 A-D		1315		4							

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	3-18	1655
Received by:		Sean Sloan	SES	3-18-09	1655
Relinquished by:		Sean Sloan	SES	3-18-09	1710
Received by:		Eric Sloan			

FORMS\COC\SESCHMST.DOC

903177

SAMPLE CHAIN OF CUSTODY

Page One

Send Report To

Company

Address

City, State, ZIP Lyle

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TDC Holdings Co Facility No. 01-600

PO# 0440-004-[illegible]

REMARKS

GEMS Y / N

☐ Dispose after [illegible]
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B107-19	B107	19	40 A-F	3-17-09	1320	Soil	6									
B107-22	↓	22	41 A-D		1325		4									
B107-25	↓	25	42 A-F		1327		6									
B108-02	B108	2	43 A-F		1405		6									
B108-04		4	44 A-F		1410		6									
B108-06		6	45 A-G		1412		5									
B108-08		8	46 A-G		1415		5				X					
B108-11.5		11.5	47 A-F		1428		6									
B108-14		14	48 A-D		1430		4									
B108-16		16	49 A-F		1437		6									
B108-18	↓	18	50 A-F		1440		6									
B109-02	B109	2	51 A-E		1500		5									
B109-04	↓	4	52 A-G	↓	1505	↓	5	↓	↓							

Samples received at [illegible] °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Bean	SES	3-18	1655
Received by:	Bean Schroder	SES	3-18-09	1655
Relinquished by:	Bean Schroder	SES	3-18-09	1720
Received by:	Eric Sporre	FED	3/18/09	1

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903177

SAMPLE CHAIN OF CUSTODY

Send Report To

Company Set Pugo DNR

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co. Facility No. 69-600

PO # 0440-004-19

REMARKS

GEMS Y / N

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B109-06	B109	6	53 A-E	3-17-09	1510	So-1	5				X					
B109-08		8	54 A-E		1515		5									
B109-10		10	55 A-F		1620		6									
B109-12		12	56 A-D		1523		4									
B109-15		15	57 A-D		1535		4									
B109-17		17	58 A-F		1538		6									
B109-20		20	59 A-F		1545		6									
B109-23	↓	23	60 A-F		1548		6									
B110-02	B110	2	61 A-E		1600		5									
B110-04		4	62 A-E		1605		5				X					
B110-07		7	63 A-E		1607		5									
B110-11		11	64 A-F		1620		6	X	X	X						
B110-13	↓	13	65 A-F		1625		6									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3-18	1655
Received by:	Jessica Brown	SES	3-18-09	1655
Relinquished by:	Jessica Brown	SES	3-18-09	1740
Received by:	Eric Young	F+B	3/18/09	1

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903177

SAMPLE CHAIN OF CUSTODY

Send Report To

Company ORE

Address

City, State, ZIP See Page

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO.: TPC Holdings Co Facility No - 01-600

PO #: 0440-00449

REMARKS

GEMS Y / N

Page #

TURNAROUND
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B110-16	B110	16	66 A-D	3-17-09	1635	Soil	4									
B110-18		18	67 A-D		1640		4									
B110-21		21	68 A-F		1650		6									
B110-24		24	69 A-F		1655		6									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3-18	1655
Received by:	Beau Johnson	SBS	3-18-09	1655
Relinquished by:	Beau Johnson	SBS	3-18-09	1720
Received by:	Eric Chunko	F&B	3/18/09	

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 8, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

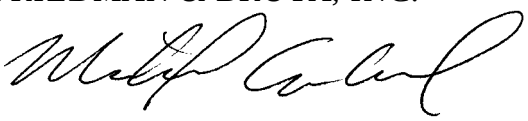
Dear Mr. Brown:

Included are the additional results from the testing of material submitted on March 18, 2009 from the TOC_01-600_20090318 WORFDB2, F&BI 903177 project. There are 7 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0408R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 18, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20090318 WORFDB2, F&BI 903177 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
903177-01	B104-02
903177-02	B104-04
903177-03	B104-06
903177-04	B104-08
903177-05	B104-10
903177-06	B104-12
903177-07	B104-14
903177-08	B104-16
903177-09	B104-18
903177-10	B104-20
903177-11	B104-22
903177-12	B104-24
903177-13	B105-03
903177-14	B105-05
903177-15	B105-07
903177-16	B105-08.5
903177-17	B105-10
903177-18	B105-13
903177-19	B105-15
903177-20	B105-17
903177-21	B105-20
903177-22	B105-22
903177-23	B106-02
903177-24	B106-04
903177-25	B106-06
903177-26	B106-08
903177-27	B106-12
903177-28	B106-14
903177-29	B106-16
903177-30	B106-18
903177-31	B106-20
903177-32	B106-25
903177-33	B107-03
903177-34	B107-05
903177-35	B107-07
903177-36	B107-09
903177-37	B107-11
903177-38	B107-13

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
903177-39	B107-17
903177-40	B107-19
903177-41	B107-22
903177-42	B107-25
903177-43	B108-02
903177-44	B108-04
903177-45	B108-06
903177-46	B108-08
903177-47	B108-11.5
903177-48	B108-14
903177-49	B108-16
903177-50	B108-18
903177-51	B109-02
903177-52	B109-04
903177-53	B109-06
903177-54	B109-08
903177-55	B109-10
903177-56	B109-12
903177-57	B109-15
903177-58	B109-17
903177-59	B109-20
903177-60	B109-23
903177-61	B110-02
903177-62	B110-04
903177-63	B110-07
903177-64	B110-11
903177-65	B110-13
903177-66	B110-16
903177-67	B110-18
903177-68	B110-21
903177-69	B110-24

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B105-20	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/31/09	Lab ID:	903177-21
Date Analyzed:	03/31/09	Data File:	033107.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.22
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B106-12	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/31/09	Lab ID:	903177-27
Date Analyzed:	03/31/09	Data File:	033108.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	127	42	152
Toluene-d8	128	36	149
4-Bromofluorobenzene	132	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.067
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/31/09	Lab ID:	090415 mb
Date Analyzed:	03/31/09	Data File:	033103.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	85	42	152
Toluene-d8	93	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 04/08/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903177

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	84	75	57-125	11
Chloroethane	mg/kg (ppm)	2.5	98	94	43-152	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	103	93	60-123	10
Methylene chloride	mg/kg (ppm)	2.5	95	91	57-130	4
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	101	78-118	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	98	96	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	101	82-118	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	95	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	107	104	79-120	3
Trichloroethene	mg/kg (ppm)	2.5	102	98	79-115	4
Tetrachloroethene	mg/kg (ppm)	2.5	107	105	79-119	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

903177

SAMPLE CHAIN OF CUSTODY

ME 03-18-09 B05/VS2

Page # 1 of 6

Send Report To Tim Brown
Company SES
Address 2400 Airport Way S
City, State, ZIP Seattle, WA
Phone # 206-306-1900 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Facility # a-600

PO # 0440-004-19

REMARKS
X = run standard TAT
V = RUN STANDARD TAT

GEMS Y / N

TURNAROUND TIME
- [x] Standard (2 Weeks)
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [x] Dispose after 30 days
- [ ] Return samples
- [ ] Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
				3-17-09				ANALYSES REQUESTED								
B104-02	B104	2	01 A-E	~~0825~~ BS	0825	S	5									
B104-04		4	02 A-E	3-17-09	0830		5				X					TB 03/23/09
B104-06		6	03 A-E	X	0832		5									
~~B104-08~~ B104-08		~~8~~ 8	04 A-E		0835		5									
B104-10		10	05 A-C		0840		3									
B104-12		12	06 A-E		0845		5									
B104-14		14	07 A-C		0847		3	X	X	X						TB 03/23/09
B104-16		16	08 A-E		0850		5									
B104-18		18	09 A-C		0855		3									
B104-20		20	10 A-E		0858		5									
B104-22		22	11 A-E		0905		5									
B104-24		24	12 A-E		0907		5									
B105-03	B105	3	13 A-F		0945		6				X					TB 03/23/09

Samples received at 4 C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3.18	16**
Received by:	Bryce Selgren	SES	3-18**	
Relinquished by:	Ben Shin	SES		
Received by:	Eric Yeaver	FedEx		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

903177

SAMPLE CHAIN OF CUSTODY ME 03/18/09

B05/VSZ

Page # 2 of 6

Send Report To

Company

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co Facility #01-600

PO # 0440-004-19

REMARKS X = run standard TAT
V = run standard TAT

GEMS Y / N

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	RCRA-8 Metals			Notes
B105-05	B105	5	14 A-F	3-17-09	0949	S	6									
B105-07	"	7	15 A-F	"	0955	"	6									
B105-08.5	"	8.5	16 A-F	"	0958	"	6									
B105-10	"	10	17 A-D	"	1005	"	4									
B105-13	"	13	18 A-F	"	1010	"	6									
B105-15	"	15	19 A-D	"	1015	"	4	X	X	X						(2) EX by 8021B 3-31-09
B105-17	"	17	20 A-F	"	1018	"	6									
B105-20	"	20	21 A-F	"	1020	"	6				✓					JB 3-31-09
B105-22	"	22	22 A-F	"	1025	"	6									
B106-02	B106	02	23 A-F	"	1100	"	6									
B106-04	"	4	24 A-F	"	1105	"	6									
B106-06	"	6	25 A-F	"	1107	"	6									
B106-08	"	8	26 A-F	"	1110	"	6									Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Lesia Brown	FB	3-18	1655
Received by:			SES	3-18-09	1655
Relinquished by:			SES	3-18-09	1655
Received by:		Eric Young	FB	3/18/09	1

FORMS\COC\SESGEMSR1.DOC (Revision 1)

903177

SAMPLE CHAIN OF CUSTODY

Send Report To

Company

Address

City, State, ZIP See Page

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. Todd Pacific Shipyards # 01-600

REMARKS
X = run standard TAT
✓ = run Standard TAT

GEMS Y / N

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	TPH-Dx	TPH-HCID	BTEX	PCB	SVOC	HVOC	Metals	Archive	Remarks
B106-12	B106	12	27 A-F	3-17-09	1117	S	5				✓					JB 3-31-09
B106-14	"	14	28 A-F		1120		5									
B106-16		16	29 A-D		1120		4									
B106-18		18	30 A-F		1135		6									
B106-20		20	31 A-D		1150		4	X	X	X						TB 03/23/09
B106-25		25	32 A-F		1155		6									
B107-03	B107	3	33 A-F		1245		6									
B107-05		5	34 A-F		1250		6									
B107-07		7	35 A-F		1255		6				X					TB 03/23/09
B107-09		9	36 A-F		1300		6									
B107-11		11	37 A-F		1303		6									
B107-13		13	38 A-D		1305		4	X	X	X						TB 03/23/09
B107-17	↓	17	39 A-D	↓	1315	↓	4									

Samples received at 4 °C

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Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3 18	1655
Received by:	Beau Sohn	SES	3-18-09	1655
Relinquished by:	Beau Sohn	SES	3-18-09	1710
Received by:	Eric Jones	F.I	3/18/09	1710

FORMS\COC\SESGEMS81.DOC (Revised 1)

903177

SAMPLE CHAIN OF CUSTODY ME 03 [illegible] BOT MSD

Send Report To

Company

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TDC Sed. Sp Facil. No. -0- PO# 0440-004-1[illegible]

REMARKS
X = run standard TAT
✓ = run standard TAT

GEMS Y / N

TURNAROUND REQUEST
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B107-19	B107	19	40 A-F	3-17-09	1320	Sed	6									
B107-22		22	41 A-D		1325		4									
B107-25		25	42 A-F		1327		6									
B108-02	B108	2	43 A-F		1405		6				[illegible]					
B108-04		4	44 A-F		1410		6									
B108-06		6	45 A-E		1412		5									
B108-08		8	46 A-E		1410		5				X					TB 03/23/09
B108-11.5		11.5	47 A-F		1428		6									
B108-14		14	48 A-D		1430		4									
B108-16		16	49 A-F		1437		6									
B108-18		18	50 A-F		1440		6									
B109-02	B109	2	51 A-E		1500		5									
B109-04		4	52 A-E		1505		5									Samples received at [illegible] °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Bean	SES	3.18	1655
Received by:	Bean Schuster	SES	3-18-09	1655
Relinquished by:	Bean Schuster	SES	3-18-09	1700
Received by:	Eric Sponer	TEB	3/18/09	1

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

90317-7

SAMPLE CHAIN OF CUSTODY

Send Report To

Company

Address

City, State, ZIP

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co. Facility No. 59-6.00

PO# 0440-004-19

REMARKS
X = run standard TAT
✓ = run standard TAT

GEMS Y / N

RUSH
Rush charges authorized

SAMPLE DISPOSAL
☐ Dispose after
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	cVOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B109-06	B109	6	53 A-E	3-17-09	1510	Soil	5				X					TB 03/23/09
B109-08		8	54 A-E		1515		5									
B109-10		10	55 A-E		1620		6									
B109-12		12	56 A-D		1523		4									
B109-15		15	57 A-D		1535		4									
B109-17		17	58 A-F		1538		6									
B109-20		20	59 A-F		1545		6									
B109-23	↓	23	60 A-F		1548		6									
B110-02	B110	2	61 A-E		1600		5									
B110-04		4	62 A-E		1605		5				X					TB 03/23/09
B110-07		7	63 A-E		1607		5									
B110-11		11	64 A-F		1620		6	X	X	X						TB 03/23/09
B110-13	↓	13	65 A-F	↓	1625	↓	6									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	3/18	1655
Received by:	Jessica Brown	SES	3-18-09	1655
Relinquished by:	Jessica Brown	SES	3-18-09	17:00
Received by:	Eric Young	FTB	3/18/09	

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3012 16th Avenue West
Seattle, WA 98119-2029
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903177

SAMPLE CHAIN OF CUSTODY ME-03

Send Report To

Company ORC

Address

City, State, ZIP Lyc Page

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO.: TPC Holdings C Facility No - 01-600

PO #: 0440-00449

REMARKS: X = run standard TAT ✓ = run standard TAT

GEMS Y / N

Page #

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	cVOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
B110-16	B110	16	66 A-D	3-17-09	1635	Soil	4									
B110-18		18	67 A-D	"	1640	"	4									
B110-21	"	21	68 A-F	"	1650	"	6									
B110-24	"	24	69 A-F	"	1655	"	6									

Friedman & Bruya, Inc.
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Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Jessica Brown	SES	3-18	1655
Received by:		Sean Sherman	SBS	3-18-09	1655
Relinquished by:		Sean Sherman	SBS	3-18-09	1730
Received by:		Eric Gerstle	FAB	3/18/09	

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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 27, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 18, 2009 from the TOC_01-600_20090318 WORFDB2, F&BI 903178 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0327R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 18, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20090318 WORFDB2, F&BI 903178 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
903178-01	B111-03
903178-02	B111-12
903178-03	B111-14
903178-04	B111-16
903178-05	B111-21
903178-06	B111-24
903178-07	B112-03
903178-08	B112-05
903178-09	B112-07
903178-10	B112-09
903178-11	B112-11
903178-12	B112-13
903178-13	B112-16
903178-14	B112-18
903178-15	B112-21
903178-16	B113-04
903178-17	B113-08
903178-18	B113-11.5
903178-19	B113-13.5
903178-20	B113-16
903178-21	B113-18
903178-22	B114-04
903178-23	B114-08
903178-24	B114-12
903178-25	B114-14
903178-26	B114-16
903178-27	B114-18
903178-28	B114-21
903178-29	B114-22
903178-30	B115-03
903178-31	B115-08
903178-32	B115-12
903178-33	B115-14
903178-34	B115-16
903178-35	B115-18
903178-36	B115-21
903178-37	B116-03

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
903178-38	B116-07
903178-39	B116-10
903178-40	B116-13
903178-41	B116-16
903178-42	B116-18
903178-43	B116-22
903178-44	B116-25
903178-45	B116-28
903178-46	B111-18

All quality control requirements were acceptable.

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178
Date Extracted: 03/24/09
Date Analyzed: 03/24/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B112-16 903178-13	<0.02	<0.02	<0.02	<0.06	<2	139
B114-18 903178-27	<0.02	<0.02	<0.02	<0.06	<2	158 vo
B116-03 903178-37	<0.02	<0.02	<0.02	<0.06	<2	130
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	121

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178
Date Extracted: 03/24/09
Date Analyzed: 03/25/09 and 03/26/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B112-16 903178-13	<50	<250	89
B114-18 903178-27	<50	<250	87
B116-03 903178-37	1,900	2,200	102
Method Blank	<50	<250	88

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B112-07	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903178-09
Date Analyzed:	03/23/09	Data File:	032317.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	101	36	149
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.23
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B115-18	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	903178-35
Date Analyzed:	03/24/09	Data File:	032318.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	133	42	152
Toluene-d8	134	36	149
4-Bromofluorobenzene	136	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.43
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20090318 WORFDB2
Date Extracted:	03/23/09	Lab ID:	090371 mb
Date Analyzed:	03/23/09	Data File:	032306.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	88	42	152
Toluene-d8	92	36	149
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 903178-37 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	102	70-130
Toluene	mg/kg (ppm)	0.5	100	70-130
Ethylbenzene	mg/kg (ppm)	0.5	112	70-130
Xylenes	mg/kg (ppm)	1.5	106	70-130
Gasoline	mg/kg (ppm)	20	102	70-130

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 903177-31 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	116	78-126	16

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	70-127

Date of Report: 03/27/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 903171-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.12	0.12	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	15	15	0
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	96	90	57-125	6
Chloroethane	mg/kg (ppm)	2.5	135	128	43-152	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	81	80	60-123	1
Methylene chloride	mg/kg (ppm)	2.5	79	75	57-130	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	82	78-118	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	83	81	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	83	82-118	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	86	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	89	86	79-120	3
Trichloroethene	mg/kg (ppm)	2.5	81	80	79-115	1
Tetrachloroethene	mg/kg (ppm)	2.5	91	89	79-119	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

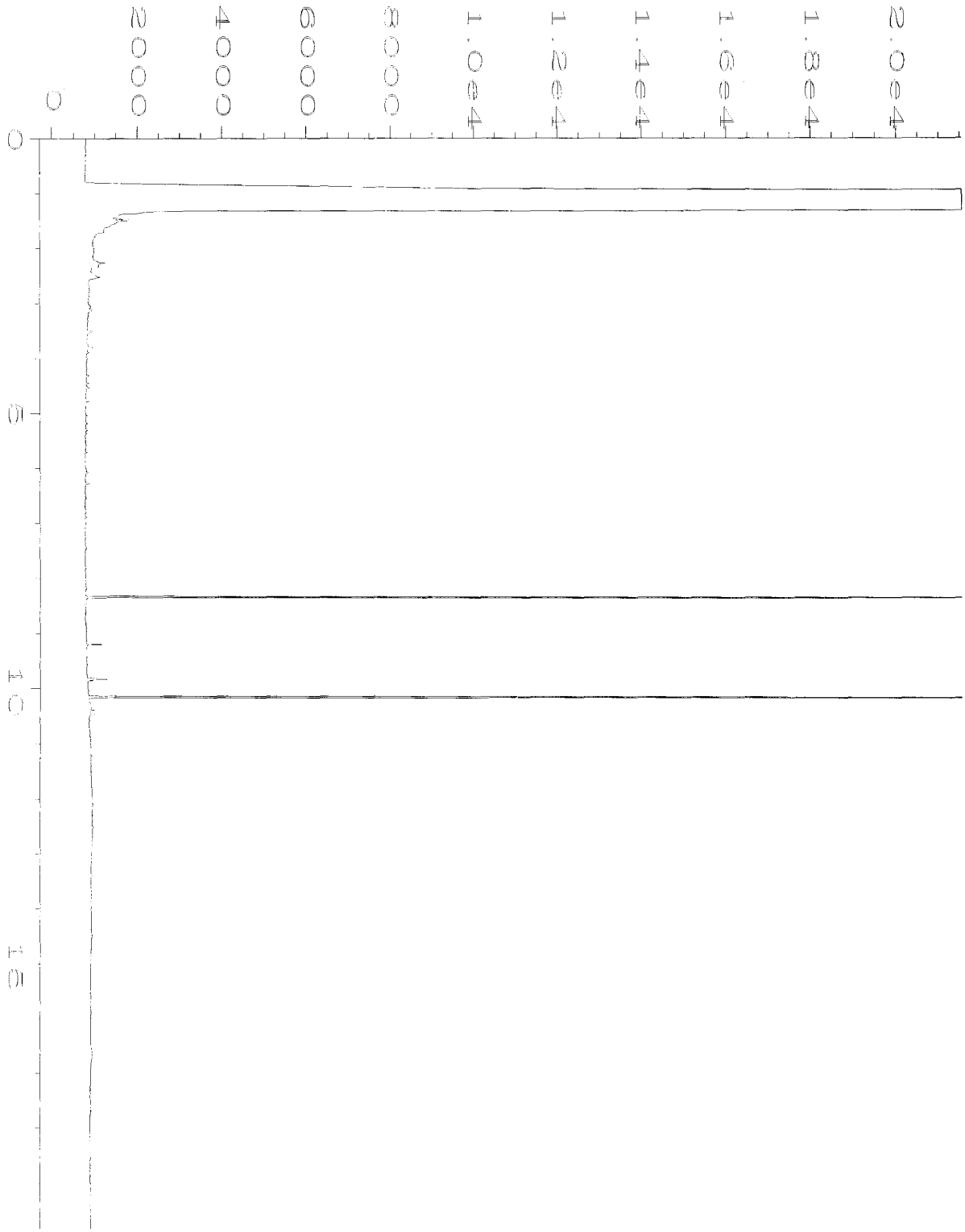
pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

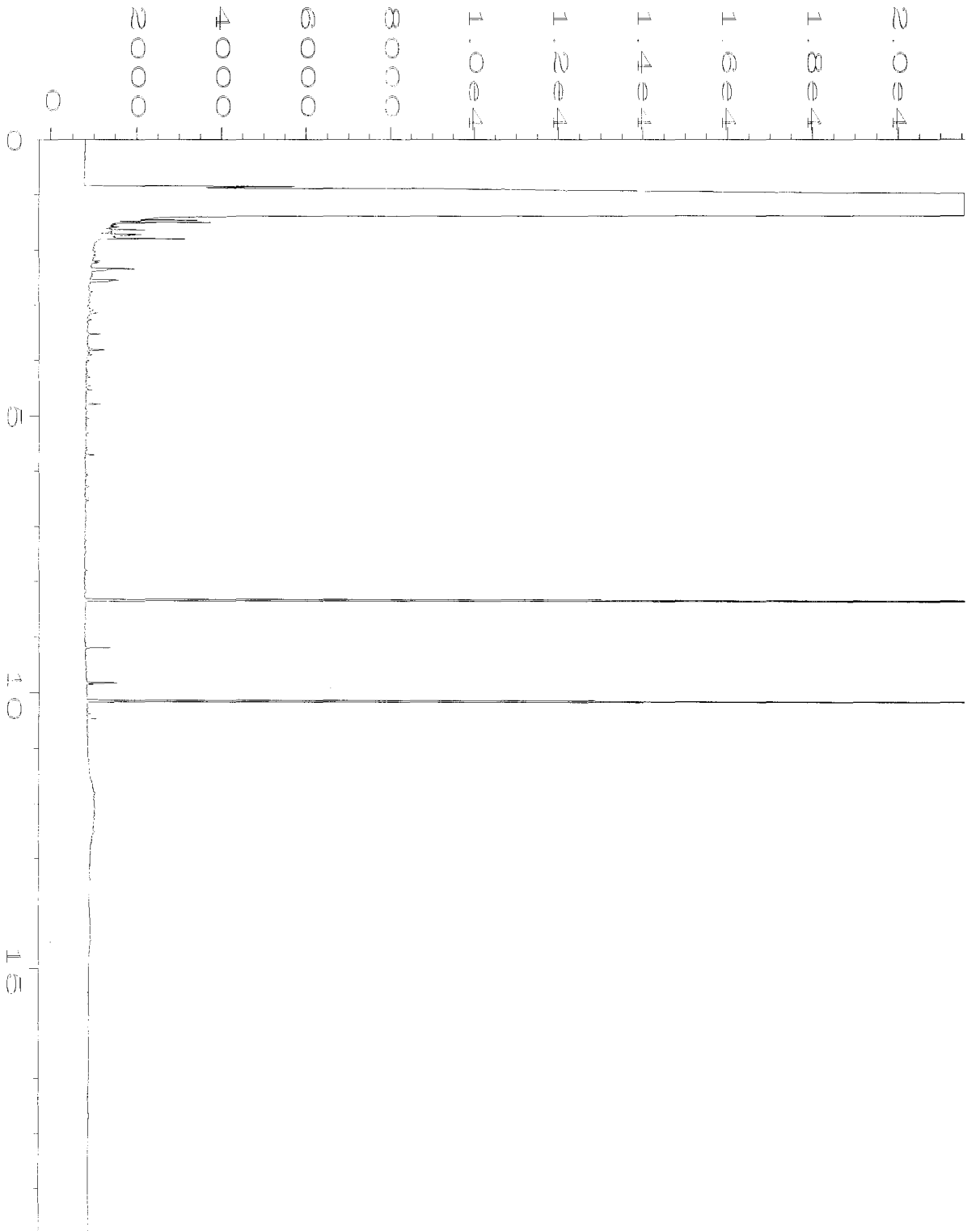
x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.



Data File Name : C:\HPCHEM\4\DATA\03-24-09\039F0901.D
Operator : me
Instrument : GC#4
Sample Name : 903178-13
Run Time Bar Code:
Acquired on : 25 Mar 09 03:40 AM
Report Created on: 27 Mar 09 02:02 PM

Page Number : 1
Vial Number : 39
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



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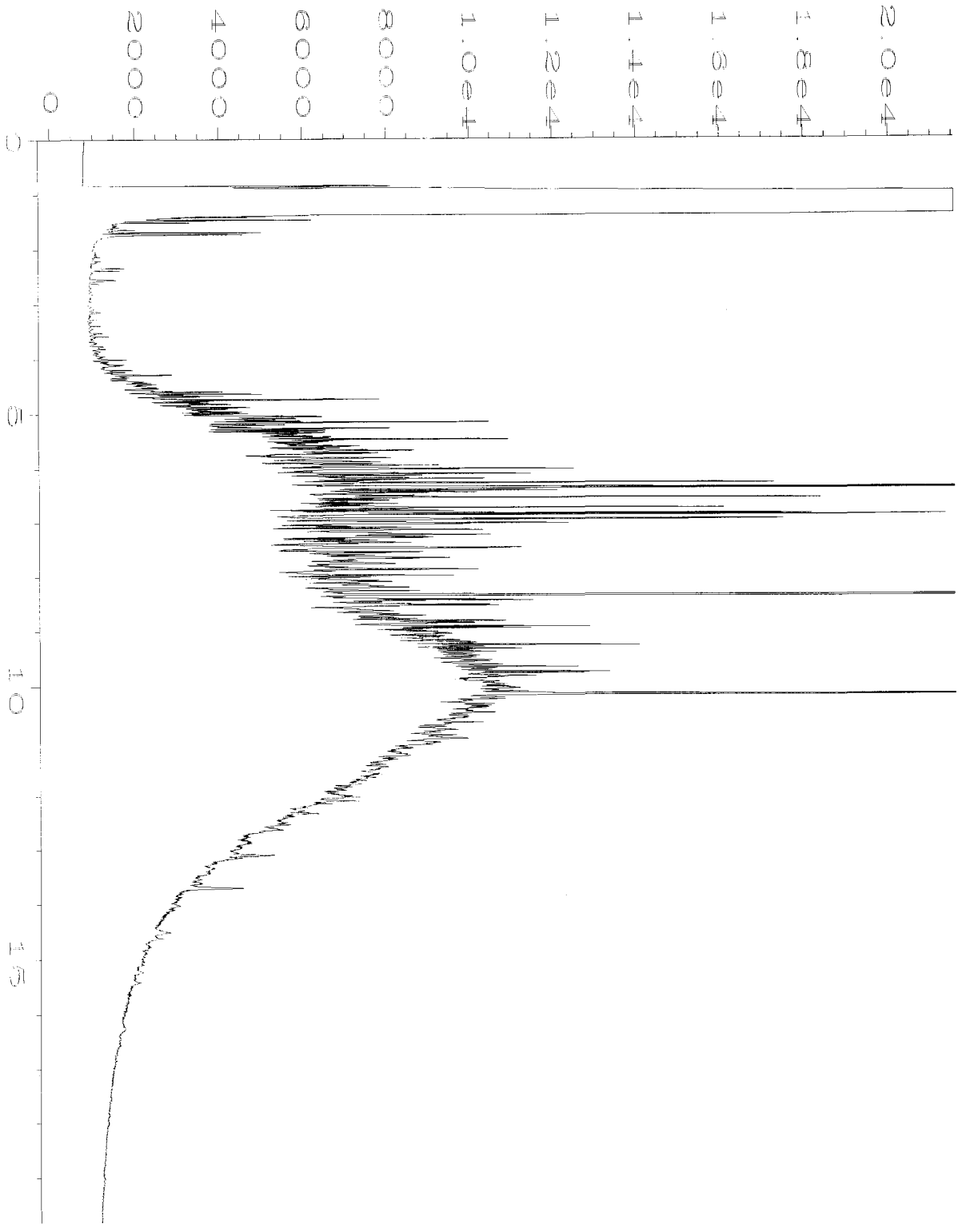
Operator : me
Instrument : GC#4
Sample Name : 903178-27
Run Time Bar Code:
Acquired on : 25 Mar 09 04:07 AM
Report Created on: 27 Mar 09 02:02 PM

Page Number : 1
Vial Number : 40
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\03-24-09\049F0901.D
Operator : me
Instrument : GC#4
Sample Name : 903178-37
Run Time Bar Code:
Acquired on : 25 Mar 09 08:03 AM
Report Created on: 27 Mar 09 02:03 PM

Page Number : 1
Vial Number : 49
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

903178

ME 03/18/09 VS3/B05

~~Libby Environmental, Inc.~~ Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 3-18-2009 Page: 1 of 3

Client: ~~TOC~~ SES
Project Manager: TIM BRAUN, C.C. ERIN BOTTMAN
Address: 21400 Airport Way S
Project Name: Seattle terminal 01-600
Phone: 206.306.1900 Fax: 206.306.1907
Location: 2737 W. Commodore Way
Client Project # 0440-001-19
Collector: JAB/APH Date of Collection: 3-18-09

Sample Number	Depth	Time	Sample Type	Lab ID (NP) Container ~~Type~~	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx/BTEX 8021B	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals	cVOCs by 8260C	Field Note/# Containers
1 B111-03	03	0815	Soil	01 A-C													Hold 3
2 B111-12	12	0825		02 A-F													6
3 B111-14	14	0830		03 A-F													6
4 B111-16	16	0835		04 A-F													6
5 B111-21	21	0845		05 A-F													6
6 B111-24	24	0850		06 A-F													6
7 B112-03	03	0930		07 A-E													5
8 B112-05	05	0935		08 A-E													4 (5)
9 B112-07	07	0940		09 A-E											X		5
10 B112-09	09	0945		10 A-E													5
11 B112-11	11	0950		11 A-F													6
12 B112-13	13	0955		12 A-D													4
13 B112-16	16	1000		13 A-D					X	X							4
14 B112-18	18	1005		14 A-F													6
15 B112-21	21	1010		15 A-F													6
16 B113-04	04	1040		16 A-E													5
17 B113-08	08	1050		17 A-E													5
18 B113-11.5	11.5	1055	—	18 A-D													4

Relinquished by:	Date / Time	Received by	Date / Time
	3-18-09/1745		03/19/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:
Good Condition?
Cold?
Seals Intact?
Total Number of Containers

Remarks:
Samples received at 4 °C

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

903178

ME 03/18/09 U33/B05

Chain of Custody Record

~~Libby Environmental, Inc.~~

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: _____ Page: 2 of 3

Client: _____ Project Manager: _____

Address: _____ Project Name: _____

Phone: _____ Fax: _____ Location: _____

Client Project # _____ Collector: _____ Date of Collection: _____

Sample Number	Depth	Time	Sample Type	Lab ID (NP) Container ~~Type~~	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx/8021B	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals	CVOCs by 8260B	Field Note/# Containers
1 B113-13.5	13.5	1100	S	19A-F													Hold 6
2 B113-16	16	1105		20A-F													6
3 B113-18	18	1110		21A-F													6
4 B114-04	04	1145		22A-E													5
5 B114-08	08	1155		23A-E													4(5)
6 B114-12	12	1200		24A-F													6
7 B114-14	14	1205		25A-F													6
8 B114-16	16	1208		26A-F													6
9 B114-18	18	1210		27A-D					X	X							4
10 B114-21	21	1220		28A-D													4
11 B114-22	22	1225		29A-F													6
12 B115-03	03	1310		30A-C													3
13 B115-08	08	1315		31A-E													5
14 B115-12	12	1320		32A-C													3
15 B115-14	14	1325		33A-F													6
16 B115-16	16	1330		34A-F													6
17 B115-18	18	1335		35A-F											X		6
18 B115-21	21	1400		36A-F													6

Samples received at 4 °C

Relinquished by:	Date / Time	Received by	Date / Time
[signature]	3-18-09/1745	[signature]	03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

903178

ME 03/18/09 VS3/B05

Libby Environmental Inc.

Chain of Custody Record

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: _____ Page: 3 of 3

Client: _____ Project Manager: _____

Address: _____ Project Name: _____

Phone: _____ Fax: See Pg Location: _____

Client Project # _____ Collector: _____ Date of Collection: _____

Sample Number	Depth	Time	Sample Type	Lab ID / ~~Container~~ Type (WP)	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx/BTEX, 8021B	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals		Field Note/# Containers
1 B116-03	03	1420	S	37 A-D						X	X						Hold 4
2 B116-07	07	1430		38 A-E													5
3 B116-10	10	1435		39 A-F													6
4 B116-13	13	1440		40 A-F													6
5 B116-16	16	1450		41 A-D													4
6 B116-18	18	1455		42 A-F													6
7 B116-22	22	1500		43 A-F													6
8 B116-25	25	1515		44 A-F													6
9 B116-28	28	1520		45 A-F													6
10 B111-18	18	0840	↓	46 A-D													4
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	

Samples received at 4 °C

Relinquished by:	Date / Time	Received by	Date / Time
[signature]	3-18-09 / 1745	[signature]	03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:	
Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:

TAT 24HR 48HR 5-Day

Distribution White - Lab, Yellow - File, Pink - Originator

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 8, 2009

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

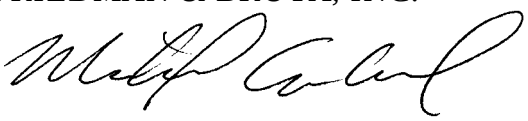
Dear Mr. Brown:

Included are the additional results from the testing of material submitted on March 18, 2009 from the TOC_01-600_20090318 WORFDB2, F&BI 903178 project. There are 10 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Erin Rothman, Ryan Bixby
SOU0408R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 18, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20090318 WORFDB2, F&BI 903178 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
903178-01	B111-03
903178-02	B111-12
903178-03	B111-14
903178-04	B111-16
903178-05	B111-21
903178-06	B111-24
903178-07	B112-03
903178-08	B112-05
903178-09	B112-07
903178-10	B112-09
903178-11	B112-11
903178-12	B112-13
903178-13	B112-16
903178-14	B112-18
903178-15	B112-21
903178-16	B113-04
903178-17	B113-08
903178-18	B113-11.5
903178-19	B113-13.5
903178-20	B113-16
903178-21	B113-18
903178-22	B114-04
903178-23	B114-08
903178-24	B114-12
903178-25	B114-14
903178-26	B114-16
903178-27	B114-18
903178-28	B114-21
903178-29	B114-22
903178-30	B115-03
903178-31	B115-08
903178-32	B115-12
903178-33	B115-14
903178-34	B115-16
903178-35	B115-18
903178-36	B115-21
903178-37	B116-03

CASE NARRATIVE (continued)

Laboratory ID	Sound Environmental Strategies
903178-38	B116-07
903178-39	B116-10
903178-40	B116-13
903178-41	B116-16
903178-42	B116-18
903178-43	B116-22
903178-44	B116-25
903178-45	B116-28
903178-46	B111-18

All quality control requirements were acceptable.

Date of Report: 04/08/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178
Date Extracted: 03/31/09
Date Analyzed: 04/01/09

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B116-07 903178-38	<50	<250	101
Method Blank	<50	<250	104

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B111-03	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2, F&BI 9031
Date Extracted:	03/31/09	Lab ID:	903178-01
Date Analyzed:	03/31/09	Data File:	033104.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	42	152
Toluene-d8	113	36	149
4-Bromofluorobenzene	116	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B112-18	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2, F&BI 9031
Date Extracted:	03/31/09	Lab ID:	903178-14
Date Analyzed:	03/31/09	Data File:	033105.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	152
Toluene-d8	119	36	149
4-Bromofluorobenzene	119	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.35
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B114-04	Client:	Sound Environmental Strategies
Date Received:	03/18/09	Project:	TOC_01-600_20090318 WORFDB2, F&BI 9031
Date Extracted:	03/31/09	Lab ID:	903178-22
Date Analyzed:	03/31/09	Data File:	033106.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	42	152
Toluene-d8	109	36	149
4-Bromofluorobenzene	112	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	TOC_01-600_20090318 WORFDB2, F&BI 9031
Date Extracted:	03/31/09	Lab ID:	090415 mb
Date Analyzed:	03/31/09	Data File:	033103.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	85	42	152
Toluene-d8	93	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 04/08/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 903290-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	103	108	78-126	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	103	70-127

Date of Report: 04/08/09
Date Received: 03/18/09
Project: TOC_01-600_20090318 WORFDB2, F&BI 903178

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	84	75	57-125	11
Chloroethane	mg/kg (ppm)	2.5	98	94	43-152	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	103	93	60-123	10
Methylene chloride	mg/kg (ppm)	2.5	95	91	57-130	4
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	101	78-118	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	98	96	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	101	82-118	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	95	82-120	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	107	104	79-120	3
Trichloroethene	mg/kg (ppm)	2.5	102	98	79-115	4
Tetrachloroethene	mg/kg (ppm)	2.5	107	105	79-119	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

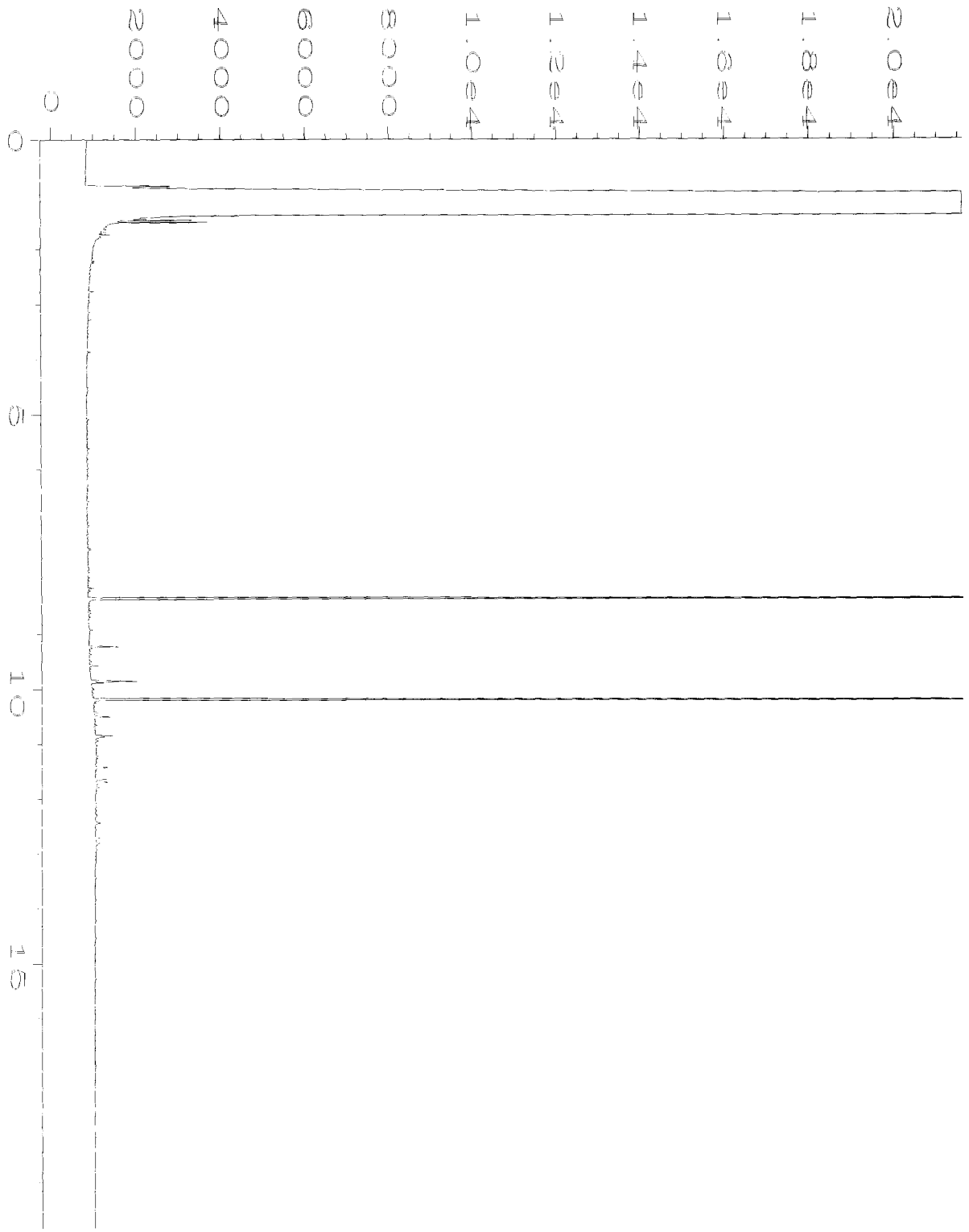
pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.



Data File Name : C:\HPCHEM\4\DATA\04-01-09\013F0401.D
Operator : ay
Instrument : GC#4
Sample Name : 903178-38
Run Time Bar Code:
Acquired on : 01 Apr 09 12:54 PM
Report Created on: 08 Apr 09 12:17 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 4
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

903178

ME 03/18/09 VS3/B05

Chain of Custody Record

~~Libby Environmental, Inc.~~

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 3-18-2009 Page: 1 of 3

Client: ~~TOC~~ SES

Project Manager: Tim Brace, C.C. Price Bateman

Address: 21100 Airport Way S

Project Name: Seattle Terminal 01 Area

Phone: 206.306.1900 Fax: 206.306.1907

Location: 2737 W Commodore Way

Client Project # 0440-004-19

Collector: JAB/APH

Date of Collection: 3.18.09

Sample Number	Depth	Time	Sample Type	Lab ID (NP) Container ~~Type~~	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx / BTEX 8021B	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals	VOCs by 8260B	Field Note/# Containers
1 B111-03	03	0815	Soil	01 A-C											✓		Hold JB 3.31.09 3
2 B111-12	12	0825		02 A-F													6
3 B111-14	14	0830		03 A-F													6
4 B111-16	16	0835		04 A-F													6
5 B111-21	21	0845		05 A-F													6
6 B111-24	24	0850		06 A-F													6
7 B112-03	03	0930		07 A-E													5
8 B112-05	05	0935		08 A-E													4 (5)
9 B112-07	07	0940		09 A-E											X		TB 03/23/09 5
10 B112-09	09	0945		10 A-E													5
11 B112-11	11	0950		11 A-F													6
12 B112-13	13	0955		12 A-D													4
13 B112-16	16	1000		13 A-D					X	X							TB 03/23/09 4
14 B112-18	18	1005		14 A-F											✓		JB 3.31.09 6
15 B112-21	21	1010		15 A-F													6
16 B113-04	04	1040		16 A-E													5
17 B113-08	08	1050		17 A-E													5
18 B113-11.5	11.5	1055	↓	18 A-D													↓ 4

Relinquished by:	Date / Time	Received by	Date / Time
	3.18.09/1745		03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	Samples received at 4 °C
Seals Intact?	
Total Number of Containers	

Remarks:
X = run standard TAT
✓ = run standard TAT

TAT 24HR 48HR 5-Day

Distribution: White - Lab Yellow - File Pink - Originator

903178

ME 03/18/09 W93/805

Chain of Custody Record

[redacted]

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: _____ Page: 2 of 3

Client: _____ Project Manager: _____

Address: _____ Project Name: _____

Phone: _____ Fax: _____ Location: _____

Client Project # _____ Collector: _____ Date of Collection: _____

Sample Number	Depth	Time	Sample Type	Lab ID (NA) / Container Type	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx / BTEX by 8021B	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals	cVOCs by 8260B	Field Note/# Containers
1 B113-13.5	13.5	1100	S	19A-F													Hold 6
2 B113-16	16	1105		20A-F													6
3 B113-18	18	1110		21A-F													6
4 B114-04	04	1145		22A-E											✓		JB 3.31.09 5
5 B114-08	08	1155		23A-E													4(5)
6 B114-12	12	1200		24A-F													6
7 B114-14	14	1205		25A-F													6
8 B114-16	16	1208		26A-F													6
9 B114-18	18	1210		27A-D					X	X							TB 03/23/09 4
10 B114-21	21	1220		28A-D													4
11 B114-22	22	1225		29A-F													6
12 B115-03	03	1310		30A-C													3
13 B115-08	08	1315		31A-E													5
14 B115-12	12	1320		32A-C													3
15 B115-14	14	1325		33A-F													6
16 B115-16	16	1330		34A-F													6
17 B115-18	18	1335		35A-F											X		TB 03/23/09 6
18 B115-21	21	1400		36A-F													6

Samples received at 4 °C

Relinquished by:	Date / Time	Received by	Date / Time
[signature]	3-18-09/1745	[signature]	03/18/09 1745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:
X = Run Standard TAT
✓ = run standard TAT

TAT 24HR 48HR 5-Day

Distribution: White - Lab, Yellow - File, Pink - Originator

903178

ME 03/18/09 VS3/B05

Chain of Custody Record

~~Libby Environmental, Inc.~~

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Client: _____
Address: _____
Phone: _____ Fax: See pg
Client Project # _____

Date: _____ Page: 3 of 3
Project Manager: _____
Project Name: _____
Location: _____
Collector: _____ Date of Collection: _____

Sample Number	Depth	Time	Sample Type	Lab ID / ~~Container~~ Type (WP)	VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCID	NWTPH-Gx/BTEX by EPA 8021B	NWTPH-Dx	NWTPH-Dx Ext.	PAH 8270	PCB's 8082	MTCA 5 Metals	VOCs by 8260B	Field Note/# Containers
1 B116-03	03	1420	S	37 A-D						X	X						Hold TB 03/23/09 4
2 B116-07	07	1430		38 A-E							✱						MAS 3-31-09 5
3 B116-10	10	1435		39 A-F													6
4 B116-13	13	1440		40 A-F													6
5 B116-16	16	1450		41 A-D													4
6 B116-18	18	1455		42 A-F													6
7 B116-22	22	1500		43 A-F													6
8 B116-25	25	1515		44 A-F													6
9 B116-28	28	1520		45 A-F													6
10 B111-19	19	0940		46 A-D													4
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	

Samples received at 4 °C

Relinquished by:	Date / Time	Received by	Date / Time
	3-18-09 / 1745		03/19/09 0745
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	
Cold?	
Seals Intact?	
Total Number of Containers	

Remarks:
Run standard TAT = X
✓ = run standard TAT
✱ = run STANDARD TAT

TAT 24HR 48HR 5-Day

Distribution White - Lab Yellow - File, Pink - Originator

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 19, 2010

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on December 29, 2009 from the TOC_01-600_20091229 WORFDB4, F&BI 912239 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Ryan Bixby, Audrey Hackett, Jessica Brown, Erin Rothman
SOU0119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 29, 2009 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20091229 WORFDB4, F&BI 912239 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
912239-01	B131-10

The 8260C surrogate 4-bromofluorobenzene exceeded the laboratory acceptance criteria in sample B131-10. No analytes were detected in the sample, therefore the data were acceptable. All other quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B131-10	Client:	Sound Environmental Strategies
Date Received:	12/29/09	Project:	TOC_01-600_20091229 WORFDB4
Date Extracted:	01/12/10	Lab ID:	912239-01
Date Analyzed:	01/12/10	Data File:	011221.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	135	62	142
Toluene-d8	142	55	145
4-Bromofluorobenzene	150 vo	65	139

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.23
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20091229 WORFDB4
Date Extracted:	01/12/10	Lab ID:	00018 mb
Date Analyzed:	01/12/10	Data File:	011207.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	107	55	145
4-Bromofluorobenzene	114	65	139

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 01/19/10
Date Received: 12/29/09
Project: TOC_01-600_20091229 WORFDB4, F&BI 912239

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 001055-06 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	71	71	22-139	0
Chloroethane	mg/kg (ppm)	2.5	68	69	38-142	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	80	77	75-132	4
Methylene chloride	mg/kg (ppm)	2.5	76	75	74-131	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	92	90	67-127	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	92	71-124	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	96	96	77-125	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	96	94	74-122	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	92	74-125	4
Trichloroethene	mg/kg (ppm)	2.5	95	94	73-122	1
Tetrachloroethene	mg/kg (ppm)	2.5	93	93	79-127	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

239
912736 (NP)

SAMPLE CHAIN OF CUSTODY ME 12/29/09 VSS/DOY

Page # 1 of 3 (1)

Send Report To Tim Brown c: Jessica Brown

Company SES

Address 2400 Airport Way S. Suite 200

City, State, ZIP Seattle WA 98134

Phone # 206 306 1900 Fax # 206 306-1908

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-600

PO #

REMARKS

TURNAROUND TIME (NP)
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Notes
B131 - 10	01A-F	12-24-09	1235	So-1	6				✓			~~hold~~
												✓ per TB email 1/12/10 MA

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Robert A. Hansberger	SES	12/29/09	1625
Received by:		HONG NGUYEN	FBI	12/29/09	
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 3 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 25, 2010

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on February 11, 2010 from the TOC_01-600_20100211 WORFDB2, F&BI 002121 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown
SOU0225R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 11, 2010 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20100211 WORFDB2, F&BI 002121 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
002121-01	B133-05.5
002121-02	B133-11
002121-03	B133-15
002121-04	B133-20

All quality control requirements were acceptable.

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002121
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B133-05.5 002121-01	<0.02	<0.02	<0.02	<0.06	<2	126
Method Blank O0-0217 MB	<0.02	<0.02	<0.02	<0.06	<2	109

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002121
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B133-05.5 002121-01	<50	<250	90
Method Blank 00-0221 MB	<50	<250	91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B133-05.5	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002121-01
Date Analyzed:	02/18/10	Data File:	021734.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	122	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	123	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.068
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.80
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B133-20	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002121-04
Date Analyzed:	02/18/10	Data File:	021735.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	133	42	152
Toluene-d8	135	36	149
4-Bromofluorobenzene	134	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.34
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	75 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B133-20	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002121-04 1/100
Date Analyzed:	02/19/10	Data File:	021852.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	0 ds	42	152
Toluene-d8	25 ds	36	149
4-Bromofluorobenzene	31 ds	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<5
Chloroethane	<50
1,1-Dichloroethene	<5
Methylene chloride	<50
trans-1,2-Dichloroethene	<5
1,1-Dichloroethane	<5
cis-1,2-Dichloroethene	<5
1,2-Dichloroethane (EDC)	<5
1,1,1-Trichloroethane	<5
Trichloroethene	120
Tetrachloroethene	<2.5

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	00197 mb
Date Analyzed:	02/17/10	Data File:	021717.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 002136-29 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	98	66-121
Toluene	mg/kg (ppm)	0.5	100	72-128
Ethylbenzene	mg/kg (ppm)	0.5	100	69-132
Xylenes	mg/kg (ppm)	1.5	102	69-131
Gasoline	mg/kg (ppm)	20	101	61-153

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002121

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 002121-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	95	98	78-126	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	70-127

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002121

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 002123-02 1/10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<5	<5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
Methylene chloride	mg/kg (ppm)	<5	<5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.5	<0.5	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichloroethene	mg/kg (ppm)	16	18	12
Tetrachloroethene	mg/kg (ppm)	<0.25	<0.25	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	63	62	39-130	2
Chloroethane	mg/kg (ppm)	2.5	92	94	10-281	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	80	60-130	1
Methylene chloride	mg/kg (ppm)	2.5	70	72	48-139	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	75	74	74-124	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	75	78	75-121	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	77	80	75-123	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	87	74-122	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	80	82	73-134	2
Trichloroethene	mg/kg (ppm)	2.5	79	85	75-120	7
Tetrachloroethene	mg/kg (ppm)	2.5	85	88	80-120	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

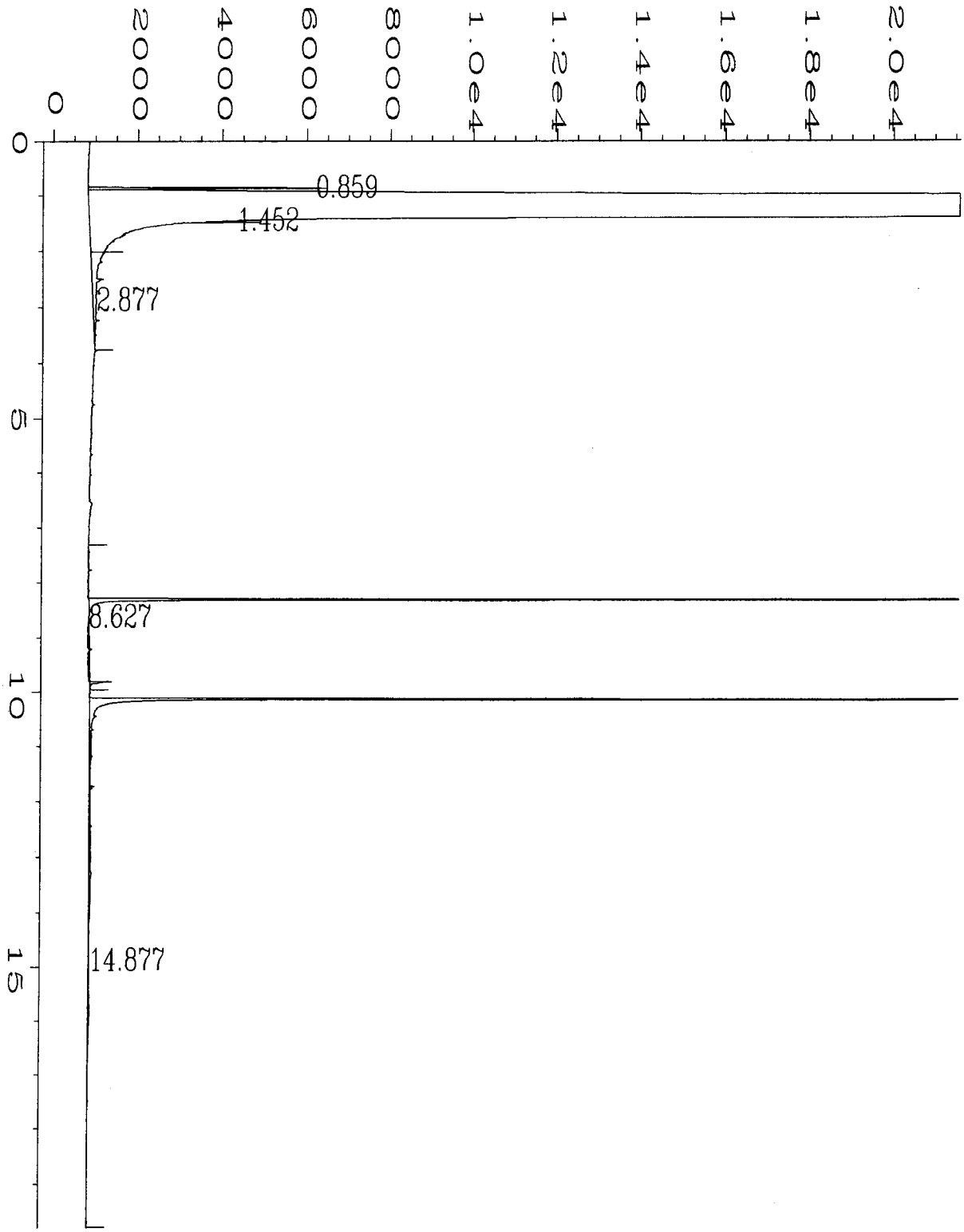
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\4\DATA\02-17-10\010F0301.D		
Operator	: ay	Page Number	: 1
Instrument	: GC#4	Vial Number	: 10
Sample Name	: 002121-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 17 Feb 10 12:11 PM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Feb 10 12:37 PM	Analysis Method	: TPHD.MTH

002121

SAMPLE CHAIN OF CUSTODY ME 2/11/10 C03/VS1

Send Report To Tim Brown, cc: Jessica Brown

Company Sound Environmental Strategies

Address 2400 Airport Way S, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
Seattle Terminal	01-600
REMARKS	EIM Y / N

Page # 1 of 1

TURNAROUND TIME
⊗ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260B	Notes
B133-05.5	B133	5.5	01 AE 2.11.10		0934	S	S	✓	✓	✓	✓	analyze as marked Hold
B133-11	"	11	02 AE		0941	"	"					✓-per TB email 2/16/10 MG
B133-15	JB	15	03 AE	JB	0946	JB	JB					JB
B133-20	"	20	04 AE	"	0955	"	"				✓	"

JAB 2.11.10

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JESSICA BROWN	SES	2.11.10	1551
Received by:	HONG NGUYEN	EBI	"	"
Relinquished by:				
Received by:		Sampl received at 2 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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e-mail: fbi@isomedia.com

February 25, 2010

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on February 11, 2010 from the TOC_01-600_20100211 WORFDB2, F&BI 002122 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown
SOU0225R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 11, 2010 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20100211 WORFDB2, F&BI 002122 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
002122-01	B134-02.5
002122-02	B134-05.5
002122-03	B134-10.5
002122-04	B134-15
002122-05	B134-20

The NWTPH-Gx and 8021B surrogate for sample B134-02.5 exceeded the acceptance criteria. No analytes were detected in the samples, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002122
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B134-02.5 002122-01	<0.02	<0.02	<0.02	<0.06	<2	135 vo
B134-10.5 002122-03	<0.02	<0.02	<0.02	<0.06	<2	121
Method Blank O0-0217 MB	<0.02	<0.02	<0.02	<0.06	<2	109

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002122
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B134-02.5 002122-01	<50	<250	87
B134-10.5 002122-03	<50	<250	89
Method Blank 00-0221 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B134-02.5	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002122-01
Date Analyzed:	02/17/10	Data File:	021730.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	142	42	152
Toluene-d8	149	36	149
4-Bromofluorobenzene	149	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.033
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B134-10.5	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002122-03
Date Analyzed:	02/18/10	Data File:	021731.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	0.15
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	1.7
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	00197 mb
Date Analyzed:	02/17/10	Data File:	021717.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 002136-29 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	98	66-121
Toluene	mg/kg (ppm)	0.5	100	72-128
Ethylbenzene	mg/kg (ppm)	0.5	100	69-132
Xylenes	mg/kg (ppm)	1.5	102	69-131
Gasoline	mg/kg (ppm)	20	101	61-153

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002122

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 002121-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	95	98	78-126	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	70-127

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002122

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 002123-02 1/10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<5	<5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
Methylene chloride	mg/kg (ppm)	<5	<5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.5	<0.5	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichloroethene	mg/kg (ppm)	16	18	12
Tetrachloroethene	mg/kg (ppm)	<0.25	<0.25	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	63	62	39-130	2
Chloroethane	mg/kg (ppm)	2.5	92	94	10-281	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	80	60-130	1
Methylene chloride	mg/kg (ppm)	2.5	70	72	48-139	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	75	74	74-124	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	75	78	75-121	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	77	80	75-123	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	87	74-122	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	80	82	73-134	2
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Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

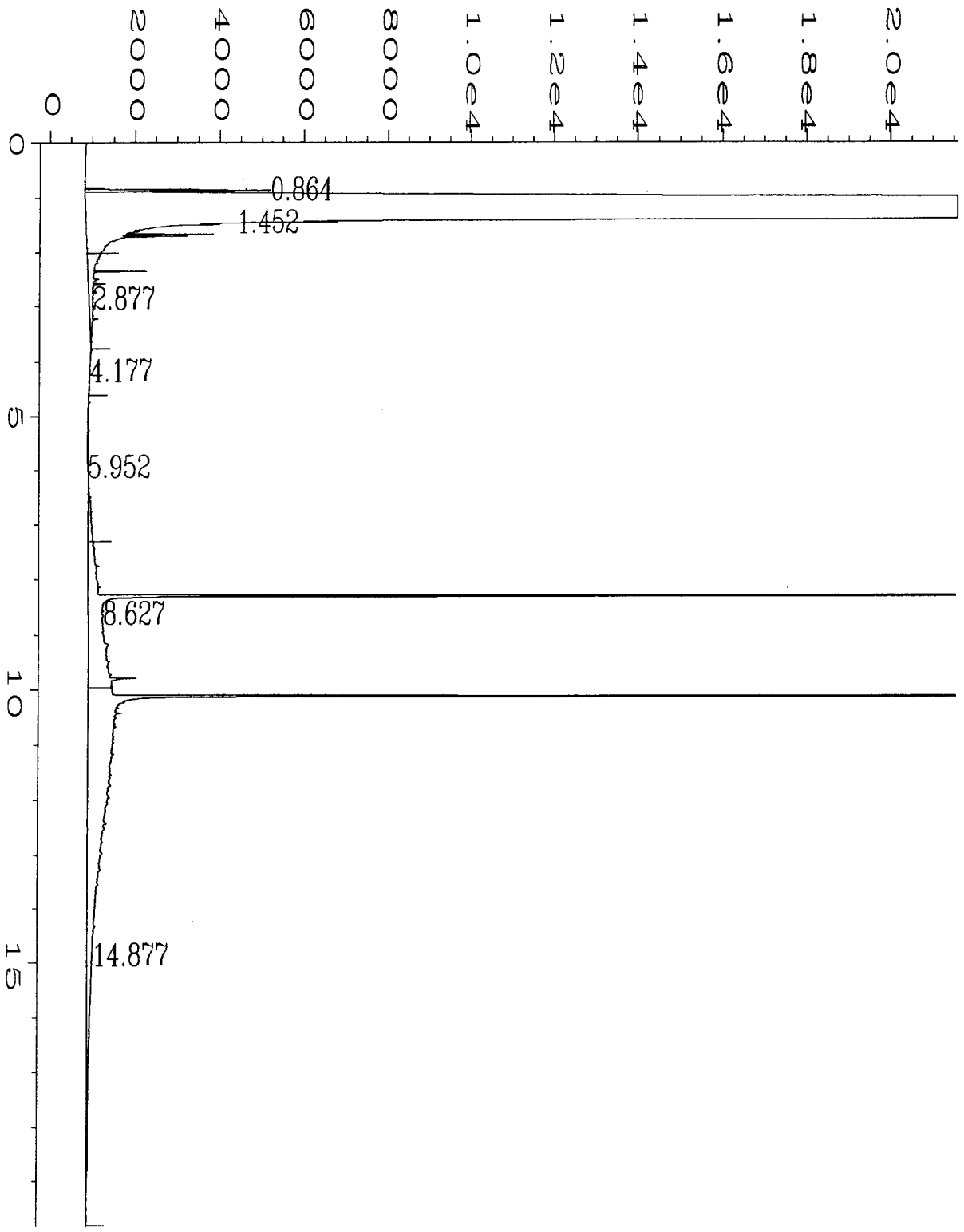
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

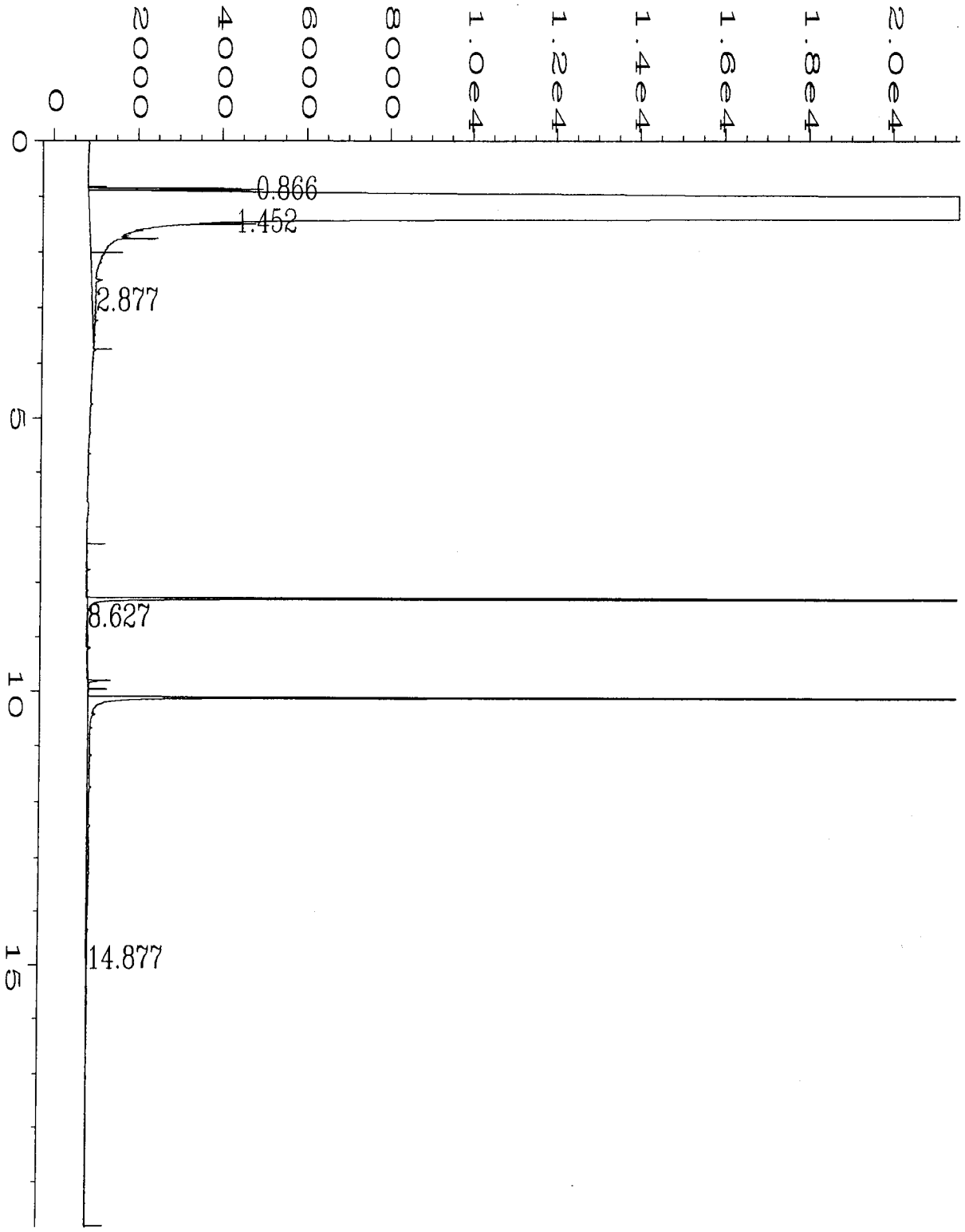
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\4\DATA\02-17-10\011F0301.D
Operator : ay
Instrument : GC#4
Sample Name : 002122-01
Run Time Bar Code:
Acquired on : 17 Feb 10 12:38 PM
Report Created on: 17 Feb 10 01:04 PM

Page Number : 1
Vial Number : 11
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



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Operator	: ay	Page Number	: 1
Instrument	: GC#4	Vial Number	: 12
Sample Name	: 002122-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 17 Feb 10 01:05 PM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Feb 10 01:31 PM	Analysis Method	: TPHD.MTH

00212

SAMPLE CHAIN OF CUSTODY ME 2/11/10 C03/151

Send Report To Tim Brown, cc: Jessica Brown

Company Sound Environmental Strategies

Address 2400 Airport Way S, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
Seattle Terminal	01-600
REMARKS	EIM Y / N

Page # 1 of 1

TURNAROUND TIME
- ⊗ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260B	Notes
												analyze as marked
B134-02.5	B134	2.5	01 A-E	2.11.10	1110	S	5	✓	✓	✓	✓	~~Hold~~
B134-05.5	JB	5.5	02 A-E	JB	1118	JB	JB					✓ per TB 2/16/10 MG
B134-10.5		10.5	03 A-E		1124			✓	✓	✓	✓	JB
B134-15		15	04 A-E		1130							
B134-20		20	05 A-E		1143							

JAB 2.11.10

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	2-11-10	1551
Received by: Hong Nguyen	HONG NGUYEN	FBI	"	"
Relinquished by:				
Received by:		Samples received at 2 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 25, 2010

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on February 11, 2010 from the TOC_01-600_20100211 WORFDB2, F&BI 002123 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown
SOU0225R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 11, 2010 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20100211 WORFDB2, F&BI 002123 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
002123-01	B135-05
002123-02	B135-10.5
002123-03	B135-15

All quality control requirements were acceptable.

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002123
Date Extracted: 02/19/10
Date Analyzed: 02/19/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B135-10.5 002123-02	0.04	<0.02	<0.02	<0.06	<2	129
Method Blank O0-0229 MB	<0.02	<0.02	<0.02	<0.06	<2	119

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002123
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
B135-10.5 002123-02	<50	<250	91
Method Blank 00-0221 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B135-10.5	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/19/10	Lab ID:	002123-02
Date Analyzed:	02/19/10	Data File:	021913.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	136	42	152
Toluene-d8	141	36	149
4-Bromofluorobenzene	144	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.47
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	15 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B135-10.5	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/19/10	Lab ID:	002123-02 1/10
Date Analyzed:	02/19/10	Data File:	021911.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	135	42	152
Toluene-d8	109	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	16
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B135-15	Client:	Sound Environmental Strategies
Date Received:	02/11/10	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002123-03
Date Analyzed:	02/17/10	Data File:	021721.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.28
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	3.8
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/17/10	Lab ID:	00197 mb
Date Analyzed:	02/17/10	Data File:	021717.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100211 WORFDB2
Date Extracted:	02/19/10	Lab ID:	00202 mb
Date Analyzed:	02/19/10	Data File:	021907.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	42	152
Toluene-d8	99	36	149
4-Bromofluorobenzene	107	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002123

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 002125-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	0.12	0.14	15
Gasoline	mg/kg (ppm)	15	14	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	104	66-121
Toluene	mg/kg (ppm)	0.5	106	72-128
Ethylbenzene	mg/kg (ppm)	0.5	108	69-132
Xylenes	mg/kg (ppm)	1.5	107	69-131
Gasoline	mg/kg (ppm)	20	115	61-153

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002123

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 002121-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	95	98	78-126	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	70-127

Date of Report: 02/25/10
Date Received: 02/11/10
Project: TOC_01-600_20100211 WORFDB2, F&BI 002123

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 002123-02 1/10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<5	<5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
Methylene chloride	mg/kg (ppm)	<5	<5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.5	<0.5	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichloroethene	mg/kg (ppm)	16	18	12
Tetrachloroethene	mg/kg (ppm)	<0.25	<0.25	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	70	72	39-130	3
Chloroethane	mg/kg (ppm)	2.5	80	85	10-281	6
1,1-Dichloroethene	mg/kg (ppm)	2.5	78	84	60-130	7
Methylene chloride	mg/kg (ppm)	2.5	71	73	48-139	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	80	81	74-124	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	86	87	75-121	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	88	89	75-123	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	93	97	74-122	4
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	92	91	73-134	1
Trichloroethene	mg/kg (ppm)	2.5	94	95	75-120	1
Tetrachloroethene	mg/kg (ppm)	2.5	101	103	80-120	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

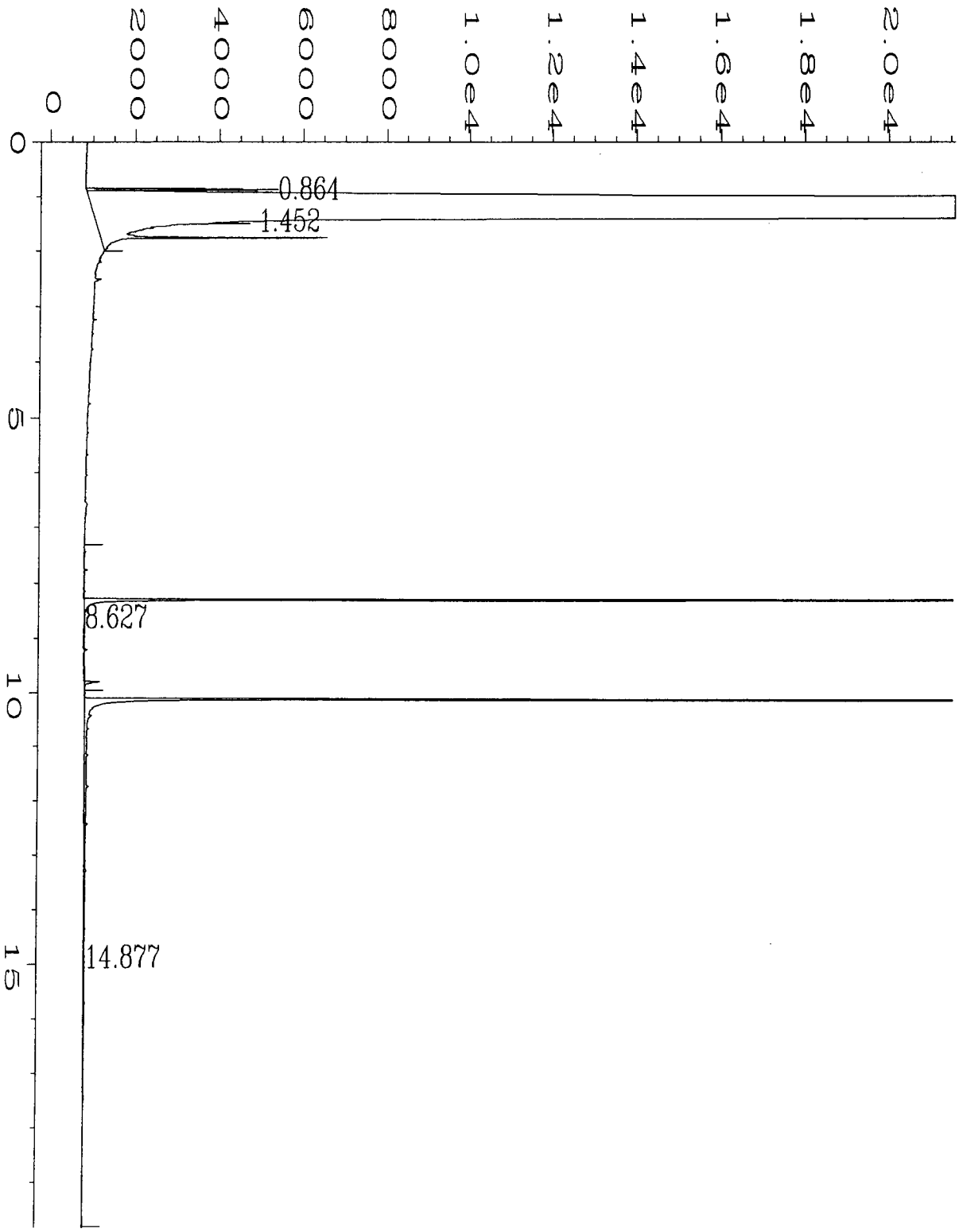
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\4\DATA\02-17-10\013F0301.D		
Operator	: ay	Page Number	: 1
Instrument	: GC#4	Vial Number	: 13
Sample Name	: 002123-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 17 Feb 10 01:32 PM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Feb 10 01:58 PM	Analysis Method	: TPHD.MTH

00212 3

SAMPLE CHAIN OF CUSTODY ME 2/11/10 COC/VS1

Send Report To Tim Brown, cc: Jessica Brown

Company Sound Environmental Strategies

Address 2400 Airport Way S, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. Seattle Terminal

PO # 01-600

REMARKS

EIM Y / N

Page # 1 of 1

TURNAROUND TIME
⊗ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260B	Notes
B135-05	B135	5	01 A-E	2-11-10	1316	S	5					analyze as noted; ~~Hold~~
B135-10.5	"	10.5	02 A-E	"	1325	"	"	✓	✓	✓	✓	"
B135-15	"	15	03 A-E	"	1331	"	"				✓	" ✓ per TB 2/16/10 MC

JAB 2-11-10

Samples received at 2 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	2-11-10	1551
Received by:	Hoang Nguyen	FBI	"	"
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 25, 2010

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on February 12, 2010 from the TOC_01-600_20100212 WORFDB2, F&BI 002137 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Ryan Bixby, Audrey Hackett, Jessica Brown
SOU0225R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 12, 2010 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20100212 WORFDB2, F&BI 002137 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
002137-01	B136-05
002137-02	B136-11.5
002137-03	B136-16
002137-04	B136-21
002137-05	B136-23
002137-06	B136-30

All quality control requirements were acceptable.

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002137
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B136-11.5 002137-02	<0.02	<0.02	<0.02	<0.06	<2	113
Method Blank O0-0217 MB	<0.02	<0.02	<0.02	<0.06	<2	109

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002137
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B136-11.5 002137-02	<50	<250	89
Method Blank 00-0220 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B136-05	Client:	Sound Environmental Strategies
Date Received:	02/12/10	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002137-01
Date Analyzed:	02/17/10	Data File:	021727.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	134	42	152
Toluene-d8	136	36	149
4-Bromofluorobenzene	133	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.063
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.17
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B136-11.5	Client:	Sound Environmental Strategies
Date Received:	02/12/10	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002137-02
Date Analyzed:	02/17/10	Data File:	021728.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.091
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.86
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B136-16	Client:	Sound Environmental Strategies
Date Received:	02/12/10	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002137-03
Date Analyzed:	02/17/10	Data File:	021729.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	42	152
Toluene-d8	114	36	149
4-Bromofluorobenzene	112	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.16
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	4.3
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	00197 mb
Date Analyzed:	02/17/10	Data File:	021717.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 002136-29 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	98	66-121
Toluene	mg/kg (ppm)	0.5	100	72-128
Ethylbenzene	mg/kg (ppm)	0.5	100	69-132
Xylenes	mg/kg (ppm)	1.5	102	69-131
Gasoline	mg/kg (ppm)	20	101	61-153

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002137

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 002138-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	100	97	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	99	79-144

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002137

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 002123-02 1/10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<5	<5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
Methylene chloride	mg/kg (ppm)	<5	<5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.5	<0.5	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichloroethene	mg/kg (ppm)	16	18	12
Tetrachloroethene	mg/kg (ppm)	<0.25	<0.25	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	63	62	39-130	2
Chloroethane	mg/kg (ppm)	2.5	92	94	10-281	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	80	60-130	1
Methylene chloride	mg/kg (ppm)	2.5	70	72	48-139	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	75	74	74-124	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	75	78	75-121	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	77	80	75-123	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	87	74-122	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	80	82	73-134	2
Trichloroethene	mg/kg (ppm)	2.5	79	85	75-120	7
Tetrachloroethene	mg/kg (ppm)	2.5	85	88	80-120	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

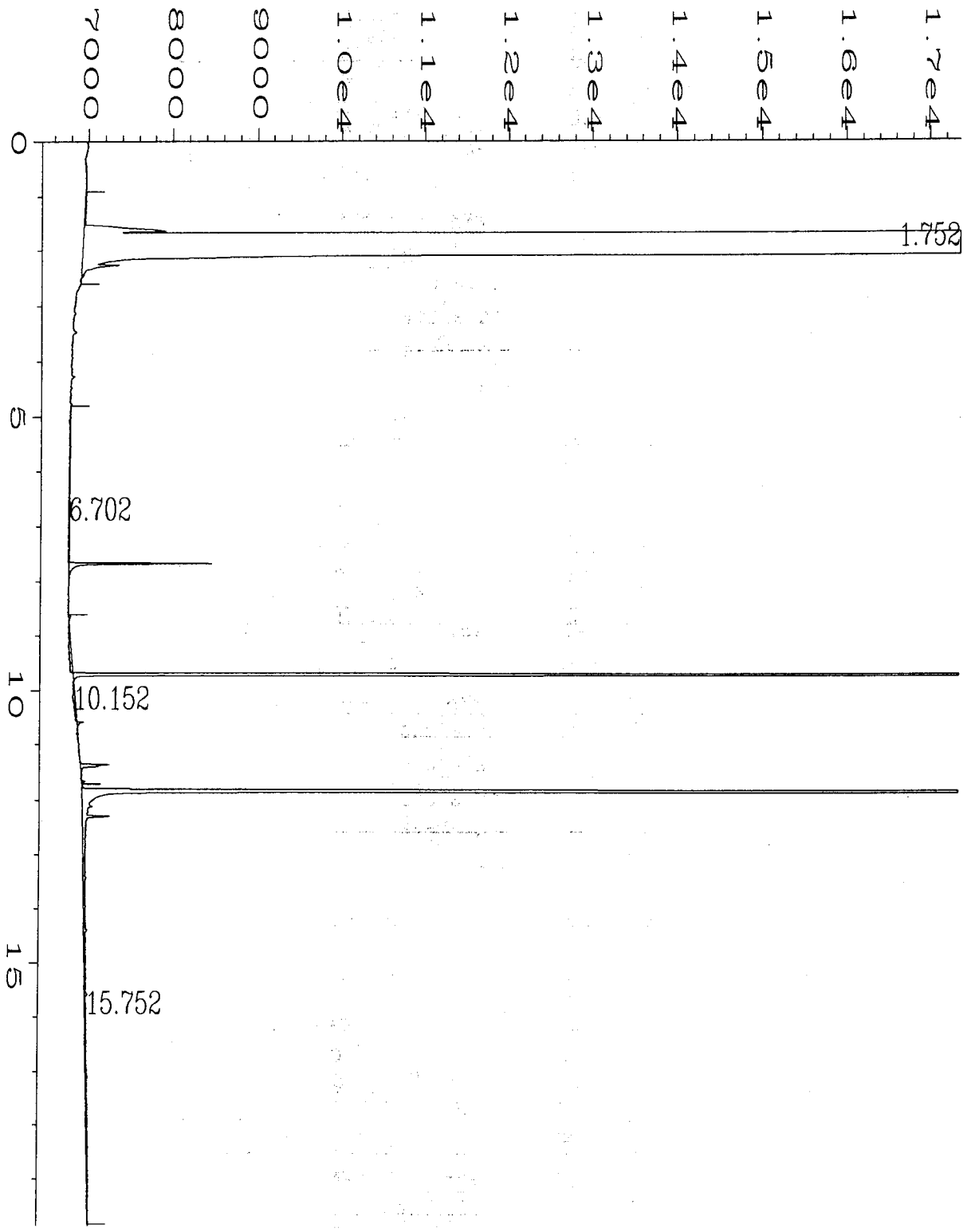
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\1\DATA\02-17-10\014F0401.D
Operator : ay
Instrument : GC1
Sample Name : 002137-02
Run Time Bar Code:
Acquired on : 17 Feb 10 12:58 PM
Report Created on: 17 Feb 10 01:24 PM

Page Number : 1
Vial Number : 14
Injection Number : 1
Sequence Line : 4
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

002137

SAMPLE CHAIN OF CUSTODY

ME 2/12/10 C03/VS3

Send Report To Tim Brown, cc: Jessica Brown

Company Sound Environmental Strategies

Address 2400 Airport Way S, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
Seattle Terminal	01-600
REMARKS	EIM Y / N

Page # 1 of 1

TURNAROUND TIME
⊗ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260B	Notes
B136-05	B136	5	01A-E	2/12/10	0842	S	5				✓	Hold analyze as marked
B136-11.5		11.5	02A-E		0849			✓	✓	✓	✓	✓ - per TB email 2/16/10 MG
B136-16		16	03A-E		0900						✓	
B136-21	JB	21	04A-E	JB	0906	JB	JB					JB
B136-23		23	05A-E		0920							
B136-30		30	06A-E		0926							

JAB 2-12-10

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jessica Brown	SES	2-12-10	18:45
Received by:	Michael Erdahl	FGBros	1	✓
Relinquished by:				
Received by:				

Samples received at 3 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 25, 2010

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on February 12, 2010 from the TOC_01-600_20100212 WORFDB2, F&BI 002138 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown
SOU0225R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 12, 2010 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20100212 WORFDB2, F&BI 002138 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
002138-01	B137-05.5
002138-02	B137-11
002138-03	B137-15.5
002138-04	B137-21
002138-05	B137-23
002138-06	B137-30.5

All quality control requirements were acceptable.

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002138
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B137-11 002138-02	<0.02	0.03	<0.02	<0.06	2	129
Method Blank O0-0217 MB	<0.02	<0.02	<0.02	<0.06	<2	109

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002138
Date Extracted: 02/17/10
Date Analyzed: 02/17/10

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B137-11 002138-02	<50	<250	89
Method Blank 00-0220 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B137-11	Client:	Sound Environmental Strategies
Date Received:	02/12/10	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002138-02
Date Analyzed:	02/18/10	Data File:	021732.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	124	42	152
Toluene-d8	128	36	149
4-Bromofluorobenzene	124	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.11
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	1.4
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B137-23	Client:	Sound Environmental Strategies
Date Received:	02/12/10	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	002138-05
Date Analyzed:	02/18/10	Data File:	021733.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	42	152
Toluene-d8	111	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.081
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	2.6
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100212 WORFDB2
Date Extracted:	02/17/10	Lab ID:	00197 mb
Date Analyzed:	02/17/10	Data File:	021717.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002138

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 002136-29 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	98	66-121
Toluene	mg/kg (ppm)	0.5	100	72-128
Ethylbenzene	mg/kg (ppm)	0.5	100	69-132
Xylenes	mg/kg (ppm)	1.5	102	69-131
Gasoline	mg/kg (ppm)	20	101	61-153

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002138

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 002138-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	100	97	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	99	79-144

Date of Report: 02/25/10
Date Received: 02/12/10
Project: TOC_01-600_20100212 WORFDB2, F&BI 002138

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 002123-02 1/10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.5	<0.5	nm
Chloroethane	mg/kg (ppm)	<5	<5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
Methylene chloride	mg/kg (ppm)	<5	<5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.5	<0.5	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.5	<0.5	nm
Trichloroethene	mg/kg (ppm)	16	18	12
Tetrachloroethene	mg/kg (ppm)	<0.25	<0.25	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	63	62	39-130	2
Chloroethane	mg/kg (ppm)	2.5	92	94	10-281	2
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	80	60-130	1
Methylene chloride	mg/kg (ppm)	2.5	70	72	48-139	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	75	74	74-124	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	75	78	75-121	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	77	80	75-123	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	87	74-122	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	80	82	73-134	2
Trichloroethene	mg/kg (ppm)	2.5	79	85	75-120	7
Tetrachloroethene	mg/kg (ppm)	2.5	85	88	80-120	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

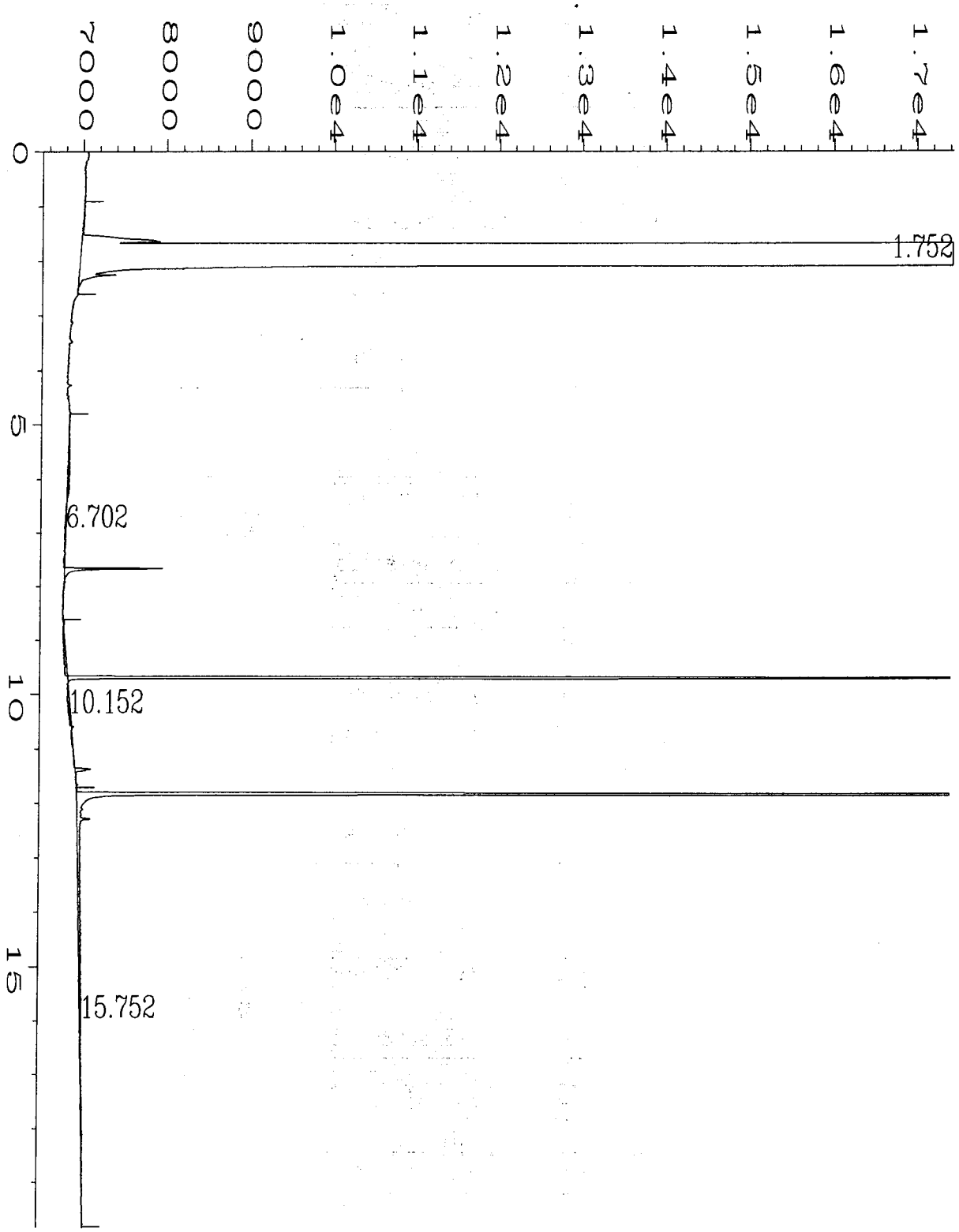
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\1\DATA\02-17-10\013F0401.D
Operator : ay
Instrument : GC1
Sample Name : 002138-02
Run Time Bar Code:
Acquired on : 17 Feb 10 12:32 PM
Report Created on: 17 Feb 10 12:57 PM

Page Number : 1
Vial Number : 13
Injection Number : 1
Sequence Line : 4
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

.002138

SAMPLE CHAIN OF CUSTODY

ME 2/12/10 C03/VS3

Send Report To Tim Brown, cc: Jessica Brown

Company Sound Environmental Strategies

Address 2400 Airport Way S, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
Seattle Terminal	01-600
REMARKS	EIM Y / N

Page # 1 of 1

TURNAROUND TIME
⊗ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260B	Notes
B137-05.5	B137	5.5	01AE	2.12.10	1044	S	5					analyze as marked
B137-11		11	02AE		1048			✓	✓	✓	✓	Hold
B137-15.5	JB	15.5	03AE		1101							✓-per TBeman 2/16/10 MG
B137-21		21	04AE	JB	1105	JB	JB					
B137-23		23	05AE		1115						✓	JB
B137-30.5		30.5	06AE		1121							

JAB 2.12.10

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	JESSICA BRUYA	SES	2.12.10	1345
Received by:	Michael Eckl	FB	1	1345
Relinquished by:				
Received by:				

Samples received at 3 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 7, 2010

Tim Brown, Project Manager
Sound Environmental Strategies
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 30, 2010 from the TOC_01-600_20100330 WORFDB2, F&BI 003295 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown
SOU0407R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 30, 2010 by Friedman & Bruya, Inc. from the Sound Environmental Strategies TOC_01-600_20100330 WORFDB2, F&BI 003295 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Sound Environmental Strategies
003295-01	B131-15-15.5
003295-02	B131-14.5-15

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B131-15-15.5	Client:	Sound Environmental Strategies
Date Received:	03/30/10	Project:	TOC_01-600_20100330 WORFDB2
Date Extracted:	03/31/10	Lab ID:	003295-01
Date Analyzed:	03/31/10	Data File:	033117.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	120	65	139

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.14
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.66
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B131-14.5-15	Client:	Sound Environmental Strategies
Date Received:	03/30/10	Project:	TOC_01-600_20100330 WORFDB2
Date Extracted:	03/31/10	Lab ID:	003295-02
Date Analyzed:	03/31/10	Data File:	033118.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	89	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	113	65	139

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.075
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.50
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20100330 WORFDB2
Date Extracted:	03/31/10	Lab ID:	00380 mb
Date Analyzed:	03/31/10	Data File:	033109.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	115	65	139

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 04/07/10
Date Received: 03/30/10
Project: TOC_01-600_20100330 WORFDB2, F&BI 003295

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 003296-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: 003296-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	43	10-138
Chloroethane	mg/kg (ppm)	2.5	<0.5	56	10-150
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	10-160
Methylene chloride	mg/kg (ppm)	2.5	<0.5	67	10-156
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	66	25-137
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	71	33-135
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	70	41-127
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	81	28-154
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	75	21-151
Trichloroethene	mg/kg (ppm)	2.5	<0.03	74	37-133
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	72	33-127

Date of Report: 04/07/10
Date Received: 03/30/10
Project: TOC_01-600_20100330 WORFDB2, F&BI 003295

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	83	81	22-139	2
Chloroethane	mg/kg (ppm)	2.5	70	69	10-142	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	82	47-128	4
Methylene chloride	mg/kg (ppm)	2.5	88	89	53-121	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	90	67-127	0
1,1-Dichloroethane	mg/kg (ppm)	2.5	91	91	71-124	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	92	91	77-125	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	91	74-122	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	91	92	74-125	1
Trichloroethene	mg/kg (ppm)	2.5	91	92	73-122	1
Tetrachloroethene	mg/kg (ppm)	2.5	92	90	77-114	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

003295

SAMPLE CHAIN OF CUSTODY

ME 3/30/10 VS1

Page # ___ of ___

Send Report To TM BROWN

Company SES

Address 2400 MARKET WAY S. #200

City, State, ZIP SEATTLE, WA 98134

Phone # 2063061900 Fax # 2063061907

SAMPLERS (signature)

PROJECT NAME/NO. 01-600

PO #

REMARKS

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CVOCs					Notes
B131 -15-15.5	01 A-D	3/29/10	0900	Soil	4							X					
B131 -14.5-15	02 A-D	3/29/10	0910		4							X					

3/30/2010

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		TYLER OESTER	SES	3/30/10	1600
Received by:		HONG NGUYEN	FBI	3/30/10	16:10
Relinquished by:					
Received by:					

Samples received at 2 **°C**

PTS Laboratories, Inc.

8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

March 17, 2011

Pete Kingston
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

RECEIVED
MAR 2 ? 2011
BY: .....

Re: PTS File No: 41133
Physical Properties Data
TOC Holdings No. 01-600; 0440-004-24

Dear Mr. Kingston:

Please find enclosed report for Physical Properties analyses conducted upon cores received from your TOC Holdings No. 01-600; 0440-004-24 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give Rachel Spitz a call at (562) 347-2504.

Sincerely,
PTS Laboratories

for Rachel

Michael Mark Brady, P.G.
District Manager

Encl.

PTS Laboratories

Project Name: TOC Holdings No. 01-600
Project Number: 0440-004-24

PTS File No: 41133
Client: Sound Earth Strategies

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	TOC/foc Walkley-Black	Effective Porosity Mod. ASTM D425	Hydraulic Conductivity Pkg.			Notes
		Plugs:	Grab	Vert. 1.5"	Vert. 1"			
Date Received:								
B172-22.5-23	22.5-23	0.50						HOLD
B172-23-23.5	23-23.5	0.50	X	X	X			
B172-23.5-24	23.5-24	0.50						HOLD
B172-25-25.5	25-25.5	0.50						HOLD
B172-25.5-26	25.5-26	0.50						HOLD
B172-26-26.5	26-26.5	0.50						HOLD
TOTALS:	6 cores	3.00	1	1	1			6

Laboratory Test Program Notes

PTS Laboratories

Project Name: TOC Holdings No. 01-600
Project Number: 0440-004-24

PTS File No: 41133
Client: Sound Earth Strategies

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	TOC/foc Walkley-Black	Effective Porosity Mod. ASTM D425	Hydraulic Conductivity Pkg.			Notes
		Plugs:	Grab	Vert. 1"	Vert. 1"			
Date Received:								
B172-22.5-23	22.5-23	0.50						HOLD
B172-23-23.5	23-23.5	0.50	X	X	X			
B172-23.5-24	23.5-24	0.50						HOLD
B172-25-25.5	25-25.5	0.50						HOLD
B172-25.5-26	25.5-26	0.50						HOLD
B172-26-26.5	26-26.5	0.50						HOLD
TOTALS:	6 cores	3.00	1	1	1			6

Laboratory Test Program Notes

Disposal	TOC/foc	Effective Porosity	HC Pkg.
2	90	175	265
$12	$90	$175	$265

Cooler Return at $30
$572.00

Test Program Acknowledgement

Electronic Signature: Pete Kingston
Date: 3/7/2011

PTS File No: 41133
Client: Sound Earth Strategies

PTS Laboratories

PHYSICAL PROPERTIES DATA - HYDRAULIC CONDUCTIVITY PACKAGE

PROJECT NAME: TOC Holdings No. 01-600
PROJECT NO: 0440-004-24

		METHODS:	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40	API RP 40; EPA 9100	
									25 PSI CONFINING STRESS	
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	DENSITY		POROSITY, %Vb (2)		TOTAL PORE FLUID SATURATIONS (3), % Pv	EFFECTIVE (4,5) PERMEABILITY TO WATER, millidarcy	HYDRAULIC CONDUCTIVITY (4,5), cm/s
				BULK, g/cc	GRAIN, g/cc	TOTAL	AIR FILLED			
B172-23-23.5	23.3	V	20.7	1.43	2.72	47.5	18.0	62.2	1082	1.07E-03

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Water = 0.9996 g/cc (4) Native State or Effective = With as-received pore fluids in place (5) Permeability to water and hydraulic conductivity measured at saturated conditions; Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS File No:
Client:

PHYSICAL PROPERTIES DATA - DRAINAGE (EFFECTIVE) POROSITY

PROJECT NAME: TOC Holdings No. 01-600
PROJECT NO: 0440-004-24

		METHODS:	Mod. ASTM D425	Mod. ASTM D425
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	TOTAL POROSITY, %Vb	EFFECTIVE POROSITY, %Vb
B172-23-23.5	23.15	V	38.4	32.8

(1) Sample Orientation: H = horizontal; V = vertical; Vb = Bulk Volume

PTS File No: 41133
Client: Sound Earth Strategies

ORGANIC CARBON DATA - TOC (foc)

(METHODOLOGY: WALKLEY-BLACK)

PROJECT NAME: TOC Holdings No. 01-600
PROJECT NO: 0440-004-24

SAMPLE ID.	DEPTH, ft.	ANALYSIS DATE	ANALYSIS TIME	SAMPLE MATRIX	FRACTION ORGANIC CARBON, g/g	TOTAL ORGANIC CARBON, mg/kg
B172-23-23.5	23-23.5	3/11/11	1035	SOIL	520	5.20E-04
Blank	N/A	3/11/11	1035	BLANK	ND	ND
SRM D069-542	N/A	3/11/11	1035	SRM	1980	1.98E-03

QC DATA

SRM ID/Lot No.	REC (%)	Control Limits	Total Concentration mg/kg	QC Performance Acceptance Limits, mg/kg Lower	Upper
D069-542	90	75-125	2210	1658	2763

ND = Not Detected

PTS Laboratories, Inc.

RECEIVED
APR 12 2011
BY: .....

8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

April 6, 2011

Pete Kingston
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: PTS File No: 41133
Physical Properties Data
TOC Holdings No. 01-600; 0440-004-24

Dear Mr. Kingston:

Please find enclosed report for Grain Size analyses conducted upon the cores received from your TOC Holdings No. 01-600; 0440-004-24 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give Rachel Spitz a call at (562) 347-2504.

Sincerely,
PTS Laboratories

for Rachel Spitz

Michael Mark Brady, P.G.
District Manager

Encl.

PTS Laboratories

Project Name: TOC Holdings No. 01-600
Project Number: 0440-004-24

PTS File No: 41133
Client: Sound Earth Strategies

TEST PROGRAM PHASE 2 20110322

CORE ID	Depth ft.	Core Recovery ft.	Grain Size Analysis Combo	TOC/foc Walkley-Black	Effective Porosity Mod. ASTM D425	Hydraulic Conductivity Pkg.		Notes
		Plugs:	Grab	Grab	Vert. 1.5"	Vert. 1"		
Date Received:								
B172-22.5-23	22.5-23	0.50						HOLD
B172-23-23.5	23-23.5	0.50	X	X	X	X		
B172-23.5-24	23.5-24	0.50						HOLD
B172-25-25.5	25-25.5	0.50						HOLD
B172-25.5-26	25.5-26	0.50						HOLD
B172-26-26.5	26-26.5	0.50						HOLD
TOTALS:	6 cores	3.00	1	1	1	1		6

Laboratory Test Program Notes

PTS Laboratories

Project Name: TOC Holdings No. 01-600
Project Number: 0440-004-24

PTS File No: 41133
Client: Sound Earth Strategies

TEST PROGRAM PHASE 2 20110322

CORE ID	Depth ft.	Core Recovery ft.	Grain Size Analysis Combo	TOC/foc Walkley-Black	Effective Porosity Mod. ASTM D425	Hydraulic Conductivity Pkg.		Notes
		Plugs:	Grab	Grab	Vert. 1.5"	Vert. 1"		
Date Received:								
B172-22.5-23	22.5-23	0.50						HOLD
B172-23-23.5	23-23.5	0.50	X	X	X	X		
B172-23.5-24	23.5-24	0.50						HOLD
B172-25-25.5	25-25.5	0.50						HOLD
B172-25.5-26	25.5-26	0.50						HOLD
B172-26-26.5	26-26.5	0.50						HOLD
TOTALS:	6 cores	3.00	1	1	1	1		6

Laboratory Test Program Notes

Disposal	Grain Size Analysis	TOC/foc	Effective Porosity	HC Pkg.
2	150	90	175	265
$12	$150	$90	$175	$265

	$692.00
Invoiced	$542.00
Balance	$150.00

Test Program Acknowledgement

Electronic Signature: Pete Kingston
Date: 3/22/2011

PTS Laboratories, Inc.

Sound Earth Strategies
PTS File No: 41133

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: TOC Holdings No. 01-600
PROJECT NO: 0440-004-24

Sample ID	Depth, ft.	Median Grain Size Description	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
B172-23-23.5	23.3	Fine sand	0.215	0.00	0.03	12.58	66.71	16.39	4.24	20.63

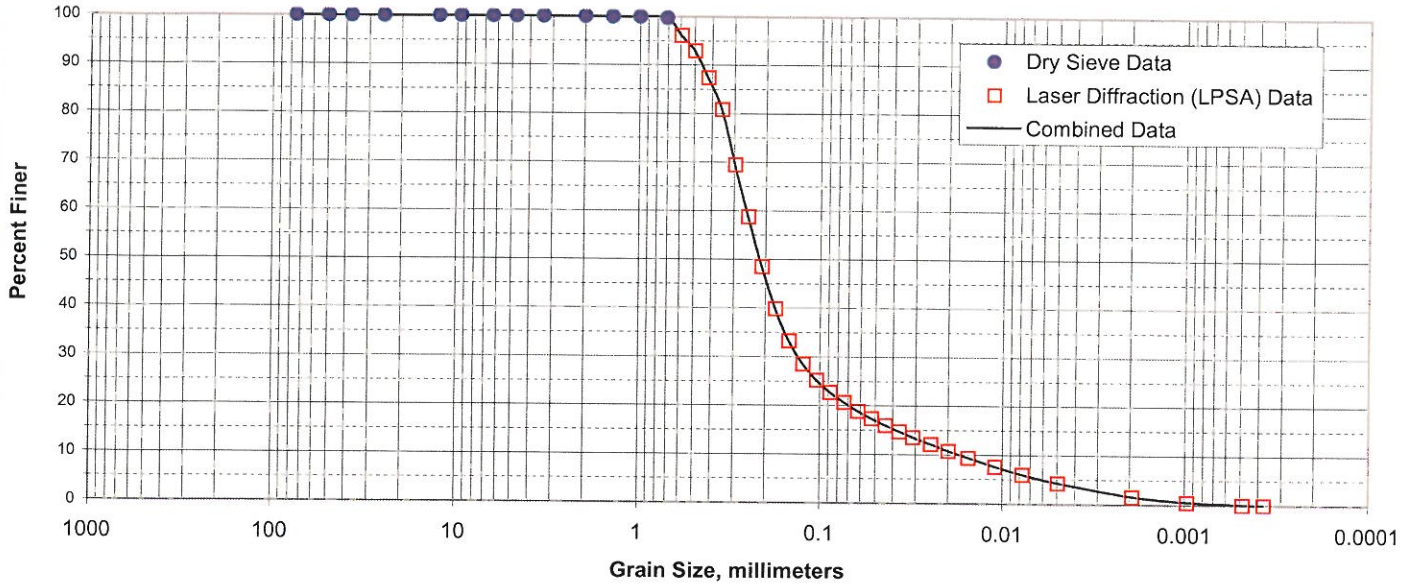
PTS Laboratories, Inc.

Sieve + Laser Diffraction Analysis - ASTM D422/4464

Client: Sound Earth Strategies
Project: TOC Holdings No.: 01-600
Project No: 0440-004-24

PTS File No: 41133
Sample ID: B172-23-23.5
Depth, ft: 23.3

COMBINED SIEVE + LASER DIFFRACTION DATA



Dry Sieve Data

Opening		Phi of	U.S. Sieve	Cumulative Weight,	Percent
Inches	Millimeters	Screen	No.	percent	Finer
2.95	75.0	-6.23	3"	0.00	100.00
1.97	50.0	-5.64	2"	0.00	100.00
1.48	37.5	-5.23	1-1/2"	0.00	100.00
0.984	25.0	-4.64	1	0.00	100.00
0.492	12.5	-3.64	1/2	0.00	100.00
0.374	9.50	-3.25	3/8	0.00	100.00
0.250	6.35	-2.67	1/4	0.00	100.00
0.187	4.76	-2.25	4	0.00	100.00
0.132	3.36	-1.75	6	0.01	99.99
0.079	2.00	-1.00	10	0.03	99.97
0.056	1.414	-0.50	14	0.06	99.94
0.039	1.000	0.00	18	0.10	99.90
0.028	0.707	0.50	25	0.25	99.75
0.020	0.500	1.00	35	0.75	99.25
0.017	0.420	1.25	40	1.66	98.34
0.014	0.354	1.50	45	5.08	94.92
0.010	0.250	2.00	60	23.35	76.65
0.007	0.1768	2.50	80	43.50	56.50
0.005	0.1250	3.00	120	56.66	43.34
0.003	0.0743	3.75	200	64.28	35.72
0.002	0.0526	4.25	270	64.99	35.01
0.001	0.0372	4.75	400	65.02	34.98
			PAN	100	0.00

Laser Diffraction (LPSA) Data

Opening		Phi of	U.S. Sieve	Cumulative Weight,	Percent
Inches	Millimeters	Screen	No.	percent	Finer
0.250	6.351	-2.67	1/4	0.00	100.00
0.187	4.757	-2.25	4	0.00	100.00
0.132	3.364	-1.75	6	0.00	100.00
0.079	2.000	-1.00	10	0.00	100.00
0.047	1.189	-0.25	16	0.18	99.82
0.033	0.841	0.25	20	1.39	98.61
0.028	0.707	0.50	25	2.30	97.70
0.023	0.595	0.75	30	3.87	96.13
0.020	0.500	1.00	35	7.07	92.93
0.017	0.420	1.25	40	12.61	87.39
0.0139	0.3536	1.50	45	19.13	80.87
0.0117	0.2973	1.75	50	30.54	69.46
0.0098	0.2500	2.00	60	41.24	58.76
0.0083	0.2102	2.25	70	51.44	48.56
0.0070	0.1768	2.50	80	60.08	39.92
0.0059	0.1487	2.75	100	66.68	33.32
0.0049	0.1250	3.00	120	71.43	28.57
0.0041	0.1051	3.25	140	74.79	25.21
0.0035	0.0884	3.50	170	77.29	22.71
0.0029	0.0743	3.75	200	79.33	20.67
0.0025	0.0625	4.00	230	81.10	18.90
0.0021	0.0526	4.25	270	82.65	17.35
0.0017	0.0442	4.50	325	84.02	15.98
0.0015	0.0372	4.75	400	85.26	14.74
0.0012	0.0313	5.00	450	86.44	13.56
0.0010	0.0250	5.32	500	87.88	12.12
0.0008	0.0201	5.64	635	89.24	10.76
0.0006	0.0156	6.00		90.63	9.37
0.0004	0.0110	6.50		92.38	7.62
0.0003	0.0078	7.00		93.96	6.04
0.0002	0.0050	7.65		95.72	4.28
0.00008	0.00195	9.00		98.39	1.61
0.00004	0.00098	10.00		99.50	0.50
0.00002	0.00049	11.00		99.96	0.04
0.00001	0.00038	11.38		100.00	0.00

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Sieve + Laser Diffraction Analysis - ASTM D422/4464

Client:	Sound Earth Strategies	**PTS File No:**	41133
Project:	TOC Holdings No.: 01-600	**Sample ID:**	B172-23-23.5
Project No:	0440-004-24	**Depth, ft:**	23.3

SIEVE ANALYSIS AND LASER DIFFRACTION METHOD COMBINED DATA

(Tabular Data plus Statistics)

SIEVE ANALYSIS AND LASER DIFFRACTION METHOD COMBINED DATA

Opening		Phi of	U.S. Sieve	Incremental Percent	Percent	Cumulative Percent
Inches	Millimeters	Screen	No.	Finer	Finer	Retained
2.95	75.0	-6.23	3"	0.0	100.0	0.0
1.97	50.0	-5.64	2"	0.0	100.0	0.0
1.48	37.5	-5.23	1-1/2"	0.0	100.0	0.0
0.984	25.0	-4.64	1	0.0	100.0	0.0
0.492	12.5	-3.64	1/2	0.0	100.0	0.0
0.374	9.50	-3.25	3/8	0.0	100.0	0.0
0.250	6.35	-2.67	1/4	0.0	100.0	0.0
0.1873	4.76	-2.25	4	0.0	100.0	0.0
0.1324	3.364	-1.75	6	0.0	100.0	0.0
0.0787	2.000	-1.00	10	0.0	100.0	0.0
0.0557	1.414	-0.50	14	0.0	99.9	0.1
0.0394	1.000	0.00	18	0.0	99.9	0.1
0.0278	0.707	0.50	25	0.2	99.7	0.3
0.0234	0.595	0.75	30	3.6	96.1	3.9
0.01969	0.500	1.00	35	3.2	92.9	7.1
0.01655	0.420	1.25	40	5.5	87.4	12.6
0.01392	0.3536	1.50	45	6.5	80.9	19.1
0.01170	0.2973	1.75	50	11.4	69.5	30.5
0.00984	0.2500	2.00	60	10.7	58.8	41.2
0.00828	0.2102	2.25	70	10.2	48.6	51.4
0.00696	0.1768	2.50	80	8.6	39.9	60.1
0.00585	0.1487	2.75	100	6.6	33.3	66.7
0.00492	0.1250	3.00	120	4.8	28.6	71.4
0.00414	0.1051	3.25	140	3.4	25.2	74.8
0.00348	0.0884	3.50	170	2.5	22.7	77.3
0.00293	0.0743	3.75	200	2.0	20.7	79.3
0.00246	0.0625	4.00	230	1.8	18.9	81.1
0.00207	0.0526	4.25	270	1.6	17.4	82.6
0.00174	0.0442	4.50	325	1.4	16.0	84.0
0.00146	0.0372	4.75	400	1.2	14.7	85.3
0.00123	0.0313	5.00	450	1.2	13.6	86.4
0.00099	0.0250	5.32	500	1.4	12.1	87.9
0.00079	0.0201	5.64	635	1.4	10.8	89.2
0.00062	0.0156	6.00	0	1.4	9.4	90.6
0.00043	0.0110	6.50		1.8	7.6	92.4
0.00031	0.0078	7.00		1.6	6.0	94.0
0.00020	0.0050	7.65		1.8	4.3	95.7
0.00008	0.0020	9.00		2.7	1.6	98.4
0.00004	0.0010	10.00		1.1	0.5	99.5
0.00002	0.0005	11.00		0.5	0.0	100.0
TOTALS				100.0		100.0

COMBINED DATA STATISTICS

Cumulative Percent greater than (retained)

Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.84	0.0220	0.559
10	1.13	0.0180	0.456
16	1.38	0.0151	0.384
25	1.63	0.0127	0.323
40	1.97	0.0100	0.255
50	2.21	0.0085	0.215
60	2.50	0.0070	0.177
75	3.27	0.0041	0.104
84	4.50	0.0017	0.044
90	5.84	0.0007	0.017
95	7.38	0.0002	0.006

Measure	Trask	Inman	Folk-Ward
Median, phi	2.21	2.21	2.21
Median, in.	0.0085	0.0085	0.0085
Median, mm	0.215	0.215	0.215
Mean, phi	2.23	2.94	2.70
Mean, in.	0.0084	0.0051	0.0061
Mean, mm	0.214	0.130	0.154
Sorting	1.767	3.211	3.102
Skewness	0.850	0.020	-0.008
Kurtosis	0.250	0.538	0.860
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Trask Median)	

Description (ASTM-USCS Scale)	Retained on Sieve #	Weight Percent
Gravel	4	0.0
Coarse Sand	10	0.0
Medium Sand	40	12.6
Fine Sand	200	66.7
Silt	>0.005 mm	16.4
Clay	<0.005 mm	4.2
	Total	100

Notes: Dry sieve preparation was drying followed by pass/retained (wash) on 200 sieve.

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Sound Earth Strategies
PTS File No: 41133

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: TOC Holdings No. 01-600
PROJECT NO: 0440-004-24

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
B172-23-23.5	23.3	Fine sand	0.215	0.00	0.00	12.61	66.71	16.39	4.28	20.67

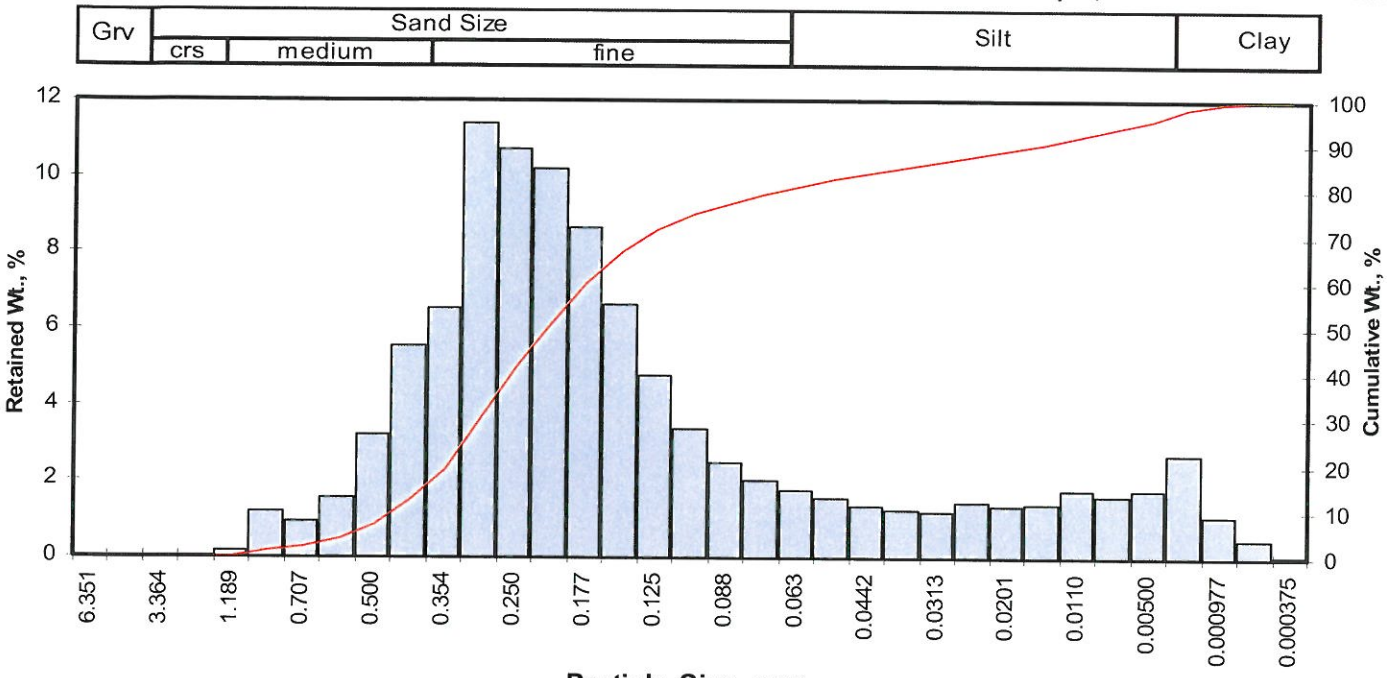
(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client: Sound Earth Strategies
Project: TOC Holdings No. 01-600
Project No: 0440-004-24

PTS File No: 41133
Sample ID: B172-23-23.5
Depth, ft: 23.3



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.18	0.18	0.18
0.0331	0.841	0.25	20	1.21	1.21	1.39
0.0278	0.707	0.50	25	0.91	0.91	2.30
0.0234	0.595	0.75	30	1.57	1.57	3.87
0.0197	0.500	1.00	35	3.20	3.20	7.07
0.0166	0.420	1.25	40	5.54	5.54	12.61
0.0139	0.354	1.50	45	6.52	6.52	19.13
0.0117	0.297	1.75	50	11.40	11.40	30.54
0.0098	0.250	2.00	60	10.70	10.70	41.24
0.0083	0.210	2.25	70	10.20	10.20	51.44
0.0070	0.177	2.50	80	8.64	8.64	60.08
0.0059	0.149	2.75	100	6.60	6.60	66.68
0.0049	0.125	3.00	120	4.75	4.75	71.43
0.0041	0.105	3.25	140	3.36	3.36	74.79
0.0035	0.088	3.50	170	2.50	2.50	77.29
0.0029	0.074	3.75	200	2.03	2.03	79.33
0.0025	0.063	4.00	230	1.77	1.77	81.10
0.0021	0.053	4.25	270	1.55	1.55	82.65
0.00174	0.0442	4.50	325	1.37	1.37	84.02
0.00146	0.0372	4.75	400	1.24	1.24	85.26
0.00123	0.0313	5.00	450	1.18	1.18	86.44
0.000986	0.0250	5.32	500	1.44	1.44	87.88
0.000790	0.0201	5.64	635	1.36	1.36	89.24
0.000615	0.0156	6.00		1.39	1.39	90.63
0.000435	0.0110	6.50		1.75	1.75	92.38
0.000308	0.00781	7.00		1.58	1.58	93.96
0.000197	0.00500	7.65		1.76	1.76	95.72
0.000077	0.00195	9.00		2.67	2.67	98.39
0.000038	0.000977	10.00		1.11	1.11	99.50
0.000019	0.000488	11.00		0.46	0.46	99.96
0.000015	0.000375	11.38		0.04	0.04	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.84	0.0220	0.559
10	1.13	0.0180	0.456
16	1.38	0.0151	0.384
25	1.63	0.0127	0.323
40	1.97	0.0100	0.255
50	2.21	0.0085	0.215
60	2.50	0.0070	0.177
75	3.27	0.0041	0.104
84	4.50	0.0017	0.044
90	5.84	0.0007	0.017
95	7.38	0.0002	0.006

Measure	Trask	Inman	Folk-Ward
Median, phi	2.21	2.21	2.21
Median, in.	0.0085	0.0085	0.0085
Median, mm	0.215	0.215	0.215
Mean, phi	2.23	2.94	2.70
Mean, in.	0.0084	0.0051	0.0061
Mean, mm	0.214	0.130	0.154
Sorting	1.767	1.559	1.771
Skewness	0.850	0.464	0.522
Kurtosis	0.250	1.099	1.633
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	12.61
Fine Sand	200	66.71
Silt	>0.005 mm	16.39
Clay	<0.005 mm	4.28
	Total	**100**

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PTS Laboratories, Inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

COMPANY	Soundearth Strategies
ADDRESS	2811 Fairview Ave E.
CITY	Ste 2000 Seattle
ZIP CODE	98102
PROJECT MANAGER	Pete Stanton
PROJECT NAME	TOC Holdings No 0440
PHONE NUMBER	206 4363909
PROJECT NUMBER	0440-004-24
FAX NUMBER	206 306 1908
SITE LOCATION	Seattle, WA
SAMPLER SIGNATURE	

PO# 0440-004-24

TURNAROUND TIME
24 HOURS ☐ 5 DAYS ☐
48 HOURS ☐ NORMAL ☒
72 HOURS ☐
OTHER: _____

SAMPLE INTEGRITY (CHECK):
INTACT ✓ ON ICE ✓

PTS QUOTE NO.

PTS FILE: 41133

ANALYSIS REQUEST

SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT	NUMBER OF SAMPLES	SOIL PROPERTIES PACKAGE	HYDRAULIC CONDUCTIVITY PACKAGE	PORE FLUID SATURATIONS PACKAGE	TCEQ/TNRCC PROPERTIES PACKAGE	CAPILLARITY PACKAGE	FLUID PROPERTIES PACKAGE	PHOTOLOG: CORE PHOTOGRAPHY	MOISTURE CONTENT, ASTM D2216	POROSITY: TOTAL, API RP40	POROSITY: EFFECTIVE, ASTM D425M	SPECIFIC GRAVITY, ASTM D854	BULK DENSITY (DRY), API RP40 or ASTM D2937	AIR PERMEABILITY, API RP40	HYDRAULIC CONDUCTIVITY, EPA9100, API RP40, D5084	GRAIN SIZE DISTRIBUTION, ASTM D422/4464M	TOC: WALKLEY-BLACK	ATTERBERG LIMITS, ASTM D4318	COMMENTS
B172-22.5-23	3/1/11	0940	22.5-23	1																		Hold
B172-23-23.5	3/1/11	0940	23-23.5	1		X								X						X		
B172-23.5-24	3/1/11	0940	23.5-24	1																		Hold
B172-25-25.5	3/1/11	0945	25-25.5	1																		Hold
B172-25.5-26	3/1/11	0945	25.5-26	1																		Hold
B172-26-26.5	3/1/11	0945	26-26.5	1																		Hold

1. RELINQUISHED BY	2. RECEIVED BY	3. RELINQUISHED BY	4. RECEIVED BY
COMPANY Soundearth	COMPANY PTS Labs Inc	COMPANY	COMPANY
DATE 3/1/11 TIME 1430	DATE 3/2/11 TIME 1520	DATE TIME	DATE TIME

PTS Laboratories, Inc.

RECEIVED
MAY 10 2011
BY: .....

8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

May 5, 2011

Pete Kingston
Sound Earth Strategies
2811 Fairview Avenue East, Suite 2000
Seattle, WA 98102

Re: PTS File No: 41268
Physical Properties Data
TOC 01-600 ASKO; 0440-004-24

Dear Mr. Kingston:

Please find enclosed report for Physical Properties analyses conducted upon samples received from your TOC 01-600 ASKO; 0440-004-24 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give Rachel Spitz a call at (562) 347-2504.

Sincerely,
PTS Laboratories

Michael Mark Brady, P.G.
District Manager

Encl.

PTS Laboratories

Project Name: TOC 01-600 ASKO
Project Number: 0440-004-24

PTS File No: 41268
Client: SoundEarth Strategies

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	Grain Size Analysis ASTM D4464M	Effective Porosity Mod. ASTM D425	Hydraulic Conductivity Pkg.			Notes
		Plugs:	Grab	Vert. 1.5"	Vert. 1"			
Date Received: 20110426								
B193-22.5-23	22.5-23	0.50						HOLD
B193-23-23.5	23.23.5	0.50						HOLD
B193-23.5-24	23.5-24	0.50						HOLD
B193-24.5-25	24.5-25	0.50						HOLD
B193-25-25.5	25-25.5	0.50	X					
B193-26-26.5	26-26.5	0.50		X	X			
TOTALS:	6 cores	3.00	1	1	1			6

Laboratory Test Program Notes

Hydraulic Conductivity Package – Saturated Zone: Native-state permeability to water, total and air-filled porosity, grain and bulk density, moisture content, total pore fluid (water only) saturation.

Please contact laboratory if you would like the "HOLD" samples retained longer than 30 days.

Run combo grain size analysis as needed.

PTS Laboratories

Project Name: TOC 01-600 ASKO
Project Number: 0440-004-24

PTS File No: 41268
Client: SoundEarth Strategies

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	Grain Size Analysis ASTM D4464M	Effective Porosity Mod. ASTM D42	Hydraulic Conductivity Pkg.			Notes
		Plugs:	Grab	Vert. 1.5"	Vert. 1"			
Date Received: 20110426								
B193-22.5-23	22.5-23	0.50						HOLD
B193-23-23.5	23.23.5	0.50						HOLD
B193-23.5-24	23.5-24	0.50						HOLD
B193-24.5-25	24.5-25	0.50						HOLD
B193-25-25.5	25-25.5	0.50	X					
B193-26-26.5	26-26.5	0.50		X	X			
TOTALS:	6 cores	3.00	1	1	1			6

Laboratory Test Program Notes

Hydraulic Conductivity Package – Saturated Zone: Native-state permeability to water, total and air-filled porosity, grain and bulk density, moisture content, total pore fluid (water only) saturation.

Please contact laboratory if you would like the "HOLD" samples retained longer than 30 days.

Run combo grain size analysis as needed.

GSA Combo	Disposal	Grain Size Analysis ASTM D4464M	Effective Porosity	HC Pkg.	Samples on hold > 1mo.
150	2	79	175	265	$10/sample/mo.
TBD	$12	$79	$175	$265	

Dispose Cooler
$531.00

Test Program Acknowledgement

Electronic Signature: Pete Kingston

Date: 4/27/2011

PTS File No: 41268
Client: SoundEarth Strategies

PTS Laboratories

PHYSICAL PROPERTIES DATA - HYDRAULIC CONDUCTIVITY PACKAGE

PROJECT NAME: TOC 01-600 ASKO
PROJECT NO: 0440-004-24

		METHODS:	API RP 40 / ASTM D2216	API RP 40		API RP 40		API RP 40	API RP 40; EPA 9100	
									25 PSI CONFINING STRESS	
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	MOISTURE CONTENT, % weight	DENSITY		POROSITY, %Vb (2)		TOTAL PORE FLUID SATURATIONS (3), % Pv	EFFECTIVE (4,5) PERMEABILITY TO WATER, millidarcy	HYDRAULIC CONDUCTIVITY (4,5), cm/s
				BULK, g/cc	GRAIN, g/cc	TOTAL	AIR FILLED			
B193-26-26.5	26.2	V	20.5	1.55	2.72	43.1	11.2	73.9	201	1.96E-03

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Water = 0.9996 g/cc (4) Native State or Effective = With as-received pore fluids in place (5) Permeability to water and hydraulic conductivity measured at saturated conditions; Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS File No: 41268
Client: SoundEarth Strategies

PHYSICAL PROPERTIES DATA - DRAINAGE (EFFECTIVE) POROSITY

PROJECT NAME: TOC 01-600 ASKO
PROJECT NO: 0440-004-24

		METHODS:	Mod. ASTM D425	Mod. ASTM D425
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	TOTAL POROSITY, %Vb	EFFECTIVE POROSITY, %Vb
B193-26-26.5	26.1	V	38.8	33.8

(1) Sample Orientation: H = horizontal; V = vertical; Vb = Bulk Volume

PTS Laboratories, Inc.

SoundEarth Strategies
PTS File No: 41268

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: TOC 01-600 ASKO
PROJECT NO: 0440-004-24

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
B193-25-25.5	25.1	Fine sand	0.336	0.00	0.00	32.65	58.34	7.18	1.83	9.01

(1) Based on Mean from Trask

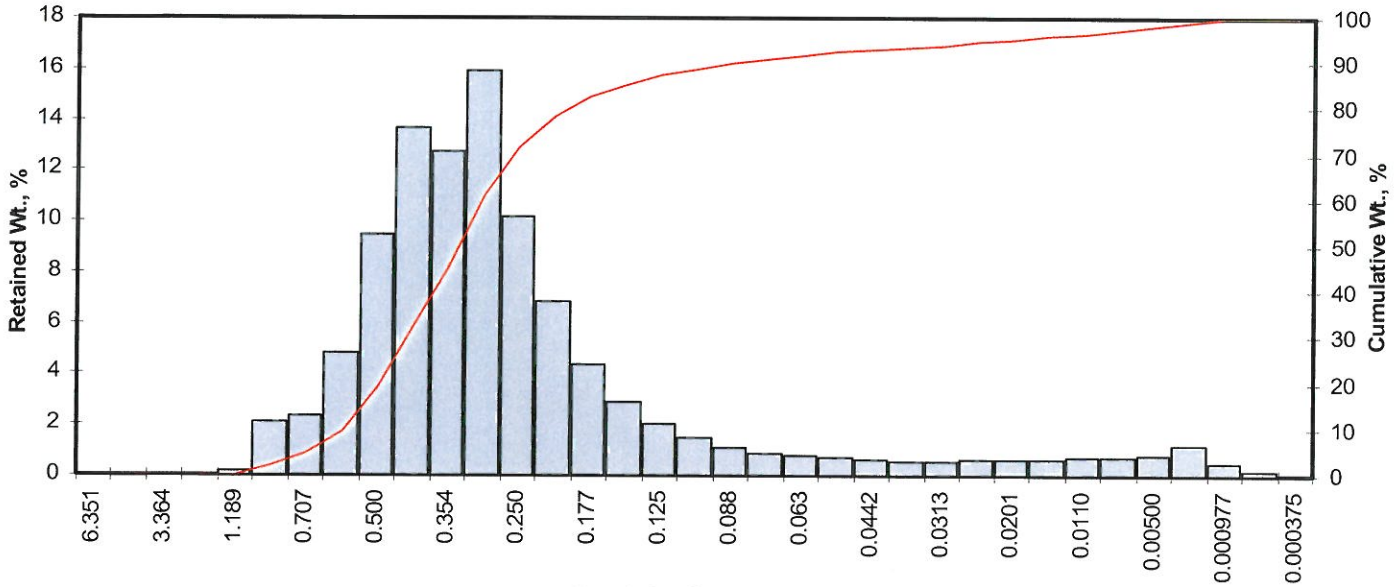
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client: SoundEarth Strategies
Project: TOC 01-600 ASKO
Project No: 0440-004-24

PTS File No: 41268
Sample ID: B193-25-25.5
Depth, ft: 25.1

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Particle Size, mm

Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.18	0.18	0.18
0.0331	0.841	0.25	20	2.11	2.11	2.29
0.0278	0.707	0.50	25	2.34	2.34	4.63
0.0234	0.595	0.75	30	4.84	4.84	9.46
0.0197	0.500	1.00	35	9.50	9.49	18.96
0.0166	0.420	1.25	40	13.70	13.69	32.65
0.0139	0.354	1.50	45	12.70	12.69	45.34
0.0117	0.297	1.75	50	15.90	15.89	61.23
0.0098	0.250	2.00	60	10.20	10.19	71.42
0.0083	0.210	2.25	70	6.82	6.82	78.24
0.0070	0.177	2.50	80	4.34	4.34	82.57
0.0059	0.149	2.75	100	2.89	2.89	85.46
0.0049	0.125	3.00	120	2.04	2.04	87.50
0.0041	0.105	3.25	140	1.48	1.48	88.98
0.0035	0.088	3.50	170	1.12	1.12	90.10
0.0029	0.074	3.75	200	0.89	0.89	90.99
0.0025	0.063	4.00	230	0.81	0.81	91.80
0.0021	0.053	4.25	270	0.71	0.71	92.51
0.00174	0.0442	4.50	325	0.61	0.61	93.11
0.00146	0.0372	4.75	400	0.55	0.55	93.66
0.00123	0.0313	5.00	450	0.51	0.51	94.17
0.000986	0.0250	5.32	500	0.61	0.61	94.78
0.000790	0.0201	5.64	635	0.59	0.59	95.37
0.000615	0.0156	6.00		0.60	0.60	95.97
0.000435	0.0110	6.50		0.72	0.72	96.69
0.000308	0.00781	7.00		0.69	0.69	97.38
0.000197	0.00500	7.65		0.79	0.79	98.17
0.000077	0.00195	9.00		1.16	1.16	99.33
0.000038	0.000977	10.00		0.49	0.49	99.82
0.000019	0.000488	11.00		0.18	0.18	100.00
0.000015	0.000375	11.38		0.00	0.00	100.00
TOTALS				**100.10**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	0.52	0.0275	0.698
10	0.76	0.0232	0.589
16	0.92	0.0208	0.528
25	1.11	0.0182	0.463
40	1.39	0.0150	0.380
50	1.57	0.0132	0.336
60	1.73	0.0119	0.301
75	2.13	0.0090	0.228
84	2.62	0.0064	0.162
90	3.48	0.0035	0.090
95	5.44	0.0009	0.023

Measure	Trask	Inman	Folk-Ward
Median, phi	1.57	1.57	1.57
Median, in.	0.0132	0.0132	0.0132
Median, mm	0.336	0.336	0.336
Mean, phi	1.53	1.77	1.71
Mean, in.	0.0136	0.0115	0.0121
Mean, mm	0.346	0.293	0.306
Sorting	1.425	0.851	1.171
Skewness	0.968	0.235	0.403
Kurtosis	0.235	1.891	1.974

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	32.65
Fine Sand	200	58.34
Silt	>0.005 mm	7.18
Clay	<0.005 mm	1.83
	Total	**100**

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Phone: (562) 907-3607
Fax: (562) 907-3610

PTS Laboratories, Inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

COMPANY	Sound Earth Strategies
ADDRESS / CITY / ZIP CODE	2811 Fairview Ave E / Ste 2000, Seattle
PROJECT MANAGER	Pete Kingston
PROJECT NAME	TOC 01-600 ASKO
PHONE NUMBER	206 4365909
PROJECT NUMBER	0440-004-24
FAX NUMBER	206 3061907
SITE LOCATION	Seattle, WA
SAMPLER SIGNATURE	

PO#

TURNAROUND TIME
24 HOURS ☐ 5 DAYS ☐
48 HOURS ☐ NORMAL ☒
72 HOURS ☐
OTHER: _____

SAMPLE INTEGRITY (CHECK):
INTACT ____ ON ICE ____

PTS QUOTE NO.

PTS FILE: 41268

ANALYSIS REQUEST

SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT	NUMBER OF SAMPLES	SOIL PROPERTIES PACKAGE	HYDRAULIC CONDUCTIVITY PACKAGE	PORE FLUID SATURATIONS PACKAGE	TCEQ/TNRCC PROPERTIES PACKAGE	CAPILLARITY PACKAGE	FLUID PROPERTIES PACKAGE	PHOTOLOG: CORE PHOTOGRAPHY	MOISTURE CONTENT, ASTM D2216	POROSITY: TOTAL, API RP40	POROSITY: EFFECTIVE, ASTM D425M	SPECIFIC GRAVITY, ASTM D854	BULK DENSITY (DRY), API RP40 or ASTM D2937	AIR PERMEABILITY, API RP40	HYDRAULIC CONDUCTIVITY, EPA9100, API RP40, D5084	GRAIN SIZE DISTRIBUTION, ASTM D422/4464M	TOC: WALKLEY-BLACK	ATTERBERG LIMITS, ASTM D4318	COMMENTS
B193-22.5-23	4/20/11	0926	22.5-23	1																		
B193-23-23.5	4/20/11	0920	23-23.5	1																		
B193-23.5-24	4/20/11	0920	23.5-24	1																		
B193-24.5-25	4/20/11	0924	24.5-25	1																		
B193-25-25.5	4/20/11	0924	25-25.5	1														X				
B193-26-26.5	4/20/11	0936	26-26.5	1		X								X								

4/25/11

1. RELINQUISHED BY	2. RECEIVED BY	3. RELINQUISHED BY	4. RECEIVED BY
COMPANY: Sound Earth	COMPANY: PTS Labs Inc	COMPANY	COMPANY
DATE / TIME: 4/25/11 1000	DATE / TIME: 4/26/11 1123	DATE / TIME	DATE / TIME

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 8, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on February 28, 2011 from the TOC_01-600_20110228 WORFDB5, F&BI 102288 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0308R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 28, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies 01-600, F&BI 102288 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
102288-01	B171-05
102288-02	B171-10
102288-03	B171-15
102288-04	B171-17.5
102288-05	B171-20
102288-06	B171-22.5

All quality control requirements were acceptable.

Date of Report: 03/08/11
Date Received: 02/28/11
Project: TOC_01-600_20110228 WORFDB5, F&BI 102288
Date Extracted: 03/04/11
Date Analyzed: 03/04/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B171-22.5 102288-06	<0.02	<0.02	<0.02	<0.06	<2	82
Method Blank 01-0370 MB	<0.02	<0.02	<0.02	<0.06	<2	90

Date of Report: 03/08/11
Date Received: 02/28/11
Project: TOC_01-600_20110228 WORFDB5, F&BI 102288
Date Extracted: 03/01/11
Date Analyzed: 03/01/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B171-22.5 102288-06	<50	<250	122
Method Blank 01-0347 MB2	<50	<250	107

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B171-05	Client:	SoundEarth Strategies
Date Received:	02/28/11	Project:	TOC_01-600_20110228 WORFDB5
Date Extracted:	03/02/11	Lab ID:	102288-01
Date Analyzed:	03/02/11	Data File:	030228.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	42	152
Toluene-d8	104	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.065
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B171-10	Client:	SoundEarth Strategies
Date Received:	02/28/11	Project:	TOC_01-600_20110228 WORFDB5
Date Extracted:	03/02/11	Lab ID:	102288-02
Date Analyzed:	03/02/11	Data File:	030229.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	42	152
Toluene-d8	108	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.60
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B171-15	Client:	SoundEarth Strategies
Date Received:	02/28/11	Project:	TOC_01-600_20110228 WORFDB5
Date Extracted:	03/02/11	Lab ID:	102288-03
Date Analyzed:	03/03/11	Data File:	030230.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.10
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B171-17.5	Client:	SoundEarth Strategies
Date Received:	02/28/11	Project:	TOC_01-600_20110228 WORFDB5
Date Extracted:	03/02/11	Lab ID:	102288-04
Date Analyzed:	03/03/11	Data File:	030231.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	152
Toluene-d8	104	36	149
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.19
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110228 WORFDB5
Date Extracted:	03/02/11	Lab ID:	01-320 mb
Date Analyzed:	03/02/11	Data File:	030209.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	104	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/08/11
Date Received: 02/28/11
Project: TOC_01-600_20110228 WORFDB5, F&BI 102288

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 103040-04 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	89	66-121
Toluene	mg/kg (ppm)	0.5	88	72-128
Ethylbenzene	mg/kg (ppm)	0.5	89	69-132
Xylenes	mg/kg (ppm)	1.5	89	69-131
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 03/08/11
Date Received: 02/28/11
Project: TOC_01-600_20110228 WORFDB5, F&BI 102288

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 102271-11 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	98	106	63-146	8

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	109	79-144

Date of Report: 03/08/11
Date Received: 02/28/11
Project: TOC_01-600_20110228 WORFDB5, F&BI 102288

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 102144-16 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	63	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	84	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	73	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	76	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	78	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	80	35-138
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	82	38-139
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	81	44-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	81	33-144
Trichloroethene	mg/kg (ppm)	2.5	<0.03	83	40-138
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	86	37-137

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	82	86	29-135	5
Chloroethane	mg/kg (ppm)	2.5	85	94	10-281	10
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	80	44-153	4
Methylene chloride	mg/kg (ppm)	2.5	81	89	42-144	9
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	97	60-125	0
1,1-Dichloroethane	mg/kg (ppm)	2.5	92	96	66-123	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	94	98	72-118	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	95	95	66-125	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	100	68-128	4
Trichloroethene	mg/kg (ppm)	2.5	102	100	71-122	2
Tetrachloroethene	mg/kg (ppm)	2.5	102	102	69-125	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

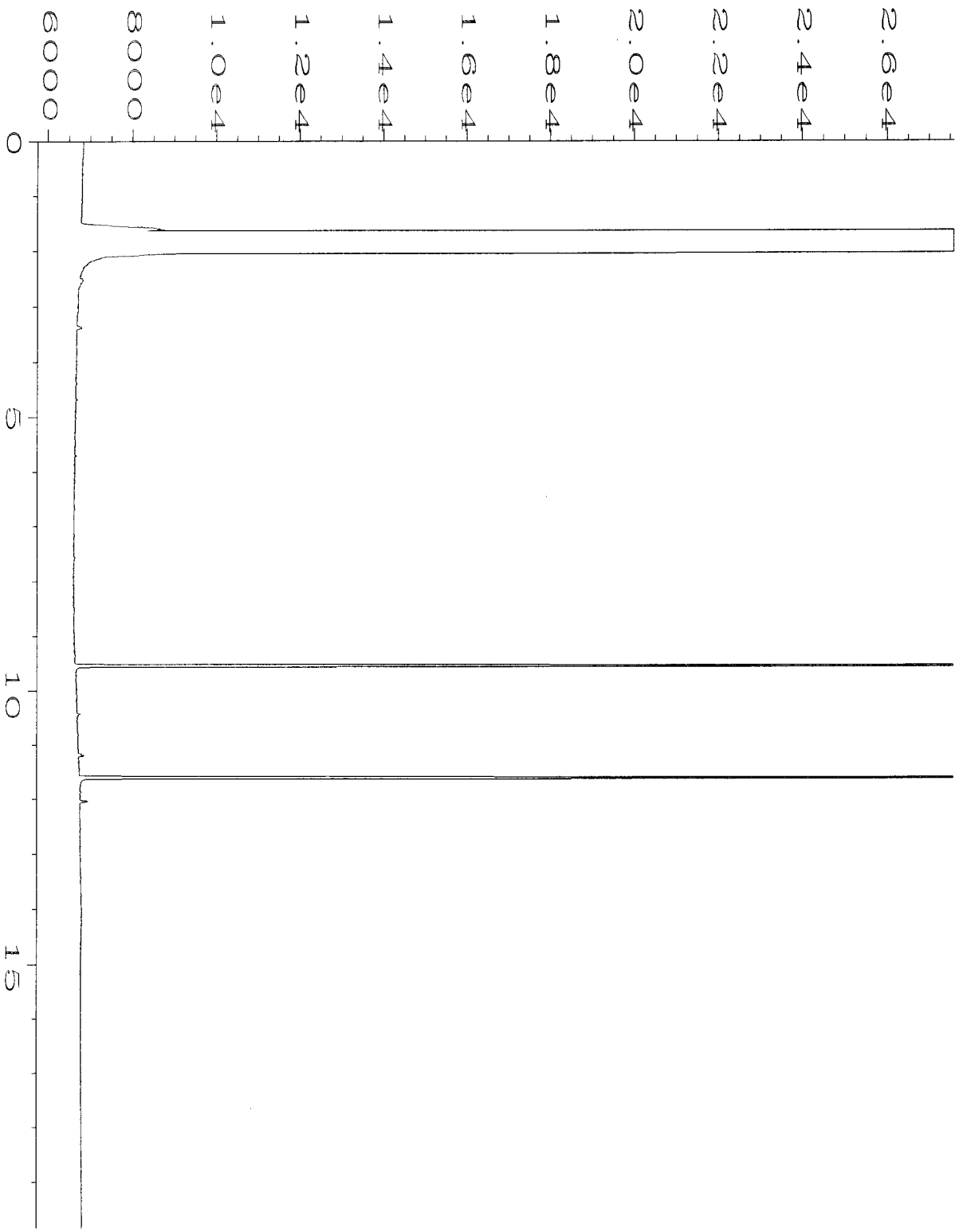
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\1\DATA\03-01-11\030F0701.D
Operator : ML
Instrument : GC1
Sample Name : 102288-06 sg
Run Time Bar Code:
Acquired on : 01 Mar 11 11:40 PM
Report Created on: 02 Mar 11 08:57 AM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : BAKEOUT.MTH

~~10227~~ NP 102288

SAMPLE CHAIN OF CUSTODY

ME 02/28/11

VSI/DO3

Page # 1 of 1

Send Report To Tim Brown, cc: Pete Kingston, Jessica Brown, Jennifer Cyr & Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal

PO #: 0440-004-24

REMARKS: ~~HOLD ALL SAMPLES~~

EIM Y

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	CVOCs by 8260C	GRPH/BTEX by NWTPH-Gx /8021B	DRPH/ORPH by NWTPH-Dx							X-per PK 3/1/11 mg Notes
B171-05	B171	5	01AE	2/28/11	0905	Soil	5	X									~~HOLD~~
B171-10	↓	10	02	↓	0915	↓	5	X									↓
B171-15		15	03		0920		5	X									
B171-17.5		17.5	04		0925		5	X									
B171-20		20	05		0930		5										
B171-22.5	↓	22.5	06	↓	0935	↓	5		X	X							

2/28/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		David Mandel	SES	2/28/11	1615
Received by:		HONG NGUYEN	FBI		
Relinquished by:					
Received by:			Samples received at 3 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 15, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 1, 2011 from the TOC_01-600_20110301 WORFDB5, F&BI 103012 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0315R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 1, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20110301 WORFDB5, F&BI 103012 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
103012-01	B172-15
103012-02	B172-20
103012-03	B172-27.5

All quality control requirements were acceptable.

Date of Report: 03/15/11
Date Received: 03/01/11
Project: TOC_01-600_20110301 WORFDB5, F&BI 103012
Date Extracted: 03/11/11
Date Analyzed: 03/12/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B172-20 103012-02	<0.02	<0.02	<0.02	<0.06	<2	86
Method Blank 01-0424 MB	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 03/15/11
Date Received: 03/01/11
Project: TOC_01-600_20110301 WORFDB5, F&BI 103012
Date Extracted: 03/08/11
Date Analyzed: 03/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B172-20 103012-02	<50	<250	118
Method Blank 01-0384 MB	<50	<250	115

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B172-20	Client:	SoundEarth Strategies
Date Received:	03/01/11	Project:	TOC_01-600_20110301 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103012-02
Date Analyzed:	03/04/11	Data File:	030429.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.058
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	3.1
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110301 WORFDB5
Date Extracted:	03/04/11	Lab ID:	01-325 mb
Date Analyzed:	03/04/11	Data File:	030407.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/15/11
Date Received: 03/01/11
Project: TOC_01-600_20110301 WORFDB5, F&BI 103012

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 103012-02 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	66-121
Toluene	mg/kg (ppm)	0.5	87	72-128
Ethylbenzene	mg/kg (ppm)	0.5	87	69-132
Xylenes	mg/kg (ppm)	1.5	88	69-131
Gasoline	mg/kg (ppm)	20	85	61-153

Date of Report: 03/15/11
Date Received: 03/01/11
Project: TOC_01-600_20110301 WORFDB5, F&BI 103012

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 103081-01 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	116	116	63-146	0

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	110	79-144

Date of Report: 03/15/11
Date Received: 03/01/11
Project: TOC_01-600_20110301 WORFDB5, F&BI 103012

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 103048-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	27	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	49	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	41	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	50	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	42	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	50	35-138
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	38-139
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	59	44-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	46	33-144
Trichloroethene	mg/kg (ppm)	2.5	<0.03	55	40-138
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	56	37-137

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	82	96	29-135	16
Chloroethane	mg/kg (ppm)	2.5	94	118	10-281	23 vo
1,1-Dichloroethene	mg/kg (ppm)	2.5	93	105	44-153	12
Methylene chloride	mg/kg (ppm)	2.5	91	104	42-144	13
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	105	60-125	8
1,1-Dichloroethane	mg/kg (ppm)	2.5	89	100	66-123	12
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	88	100	72-118	13
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	98	66-125	9
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	87	103	68-128	17
Trichloroethene	mg/kg (ppm)	2.5	94	104	71-122	10
Tetrachloroethene	mg/kg (ppm)	2.5	95	104	69-125	9

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

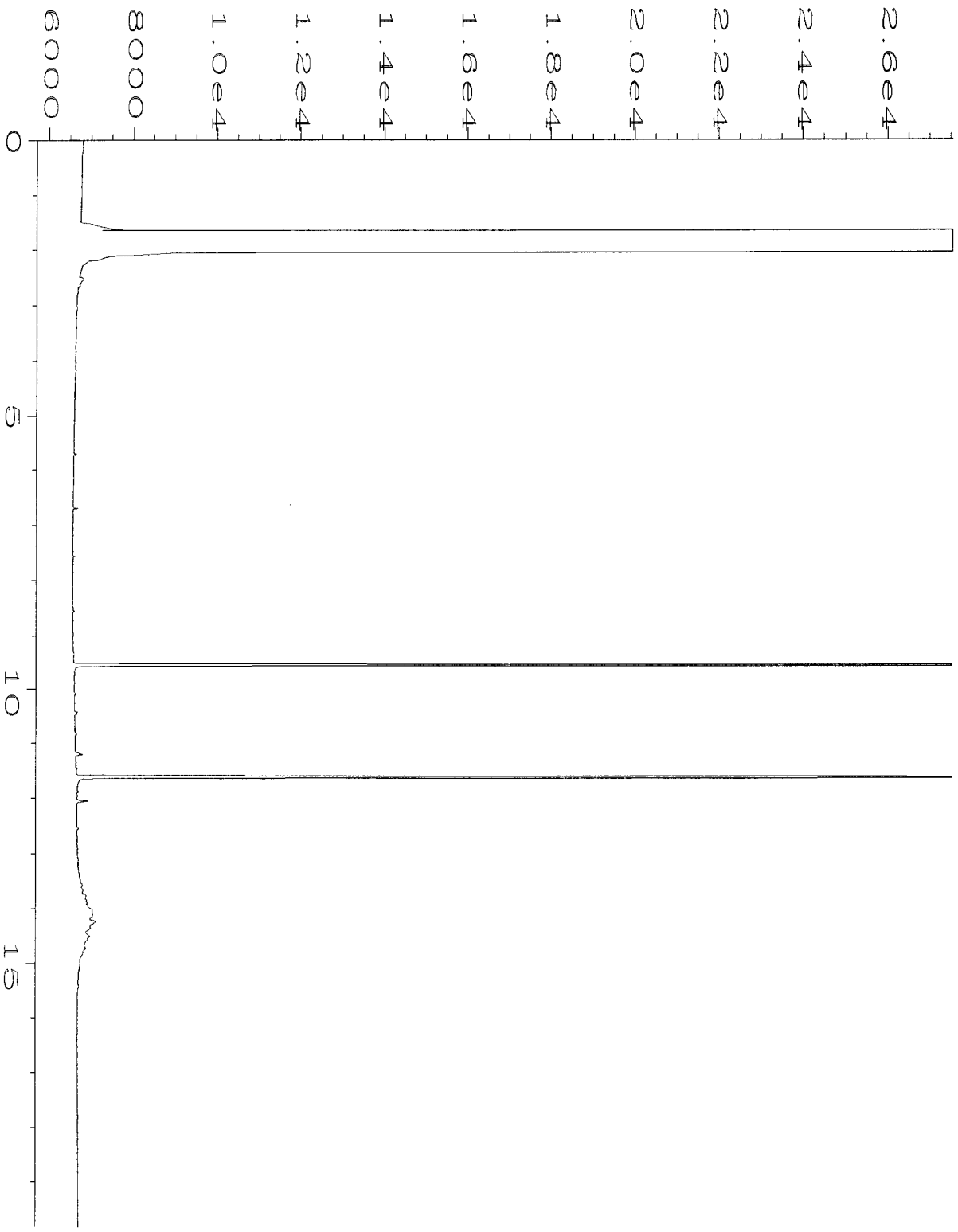
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\1\DATA\03-08-11\028F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 28
Sample Name	: 103012-02 sg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 08 Mar 11 09:08 PM	Instrument Method	: TPHD.MTH
Report Created on	: 09 Mar 11 10:12 AM	Analysis Method	: TPHD.MTH

103012

SAMPLE CHAIN OF CUSTODY

ME 03/01/11 VSI/AQI

Page # 1 of 1

Send Report To Tim Brown, cc: Pete Kingston, Jessica Brown, Jennifer Cyr & Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS *(signature)*

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal

PO #: 0440-004-24

REMARKS: ~~HOLD ALL SAMPLES~~ Rupa PK 3/3/11 ME

EIM Y

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	CVOCs by 8260C	GRPH/BTEX by NWTPH-Gx /8021B	DRPH/ORPH by NWTPH-Dx						Notes
B172-15	B172	15	01 A-E	3/1/11	0930	Soil	5									~~HOLD~~
B172-20	B172	20	02	3/1/11	0935	Soil	5	⊗	⊗	⊗						~~HOLD~~
B172-27.5	B172	27.5	03 ↓	3/1/11	0950	Soil	5									~~HOLD~~

FC 3/1/11

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Pete Kingston	SoundEarth	3/1/11	1410
Received by:	Nhan Phan	FedEx	3/1/11	1410
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

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Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 14, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 3, 2011 from the TOC_01-600_20110303 WORFDB5, F&BI 103051 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0314R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 3, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies 01-600 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
103051-01	B173-07.5
103051-02	B173-10
103051-03	B173-12.5
103051-04	B173-15
103051-05	B173-22.5
103051-06	B173-25
103051-07	B173-27.5

All quality control requirements were acceptable.

Date of Report: 03/14/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103051
Date Extracted: 03/08/11
Date Analyzed: 03/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B173-07.5 103051-01	<0.02	<0.02	<0.02	<0.06	4.4 x	82
B173-27.5 103051-07	<0.02	<0.02	<0.02	<0.06	3.8 x	85
Method Blank 01-0387 MB	<0.02	<0.02	<0.02	<0.06	<2	87

Date of Report: 03/14/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103051
Date Extracted: 03/04/11
Date Analyzed: 03/04/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B173-07.5 103051-01	<50	<250	103
B173-27.5 103051-07	<50	<250	104
Method Blank 01-369 MB	<50	<250	107

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B173-07.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103051-01
Date Analyzed:	03/04/11	Data File:	030413.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	152
Toluene-d8	97	36	149
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.065
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	7.7
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B173-10	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103051-02
Date Analyzed:	03/04/11	Data File:	030414.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	152
Toluene-d8	97	36	149
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B173-15	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103051-04
Date Analyzed:	03/04/11	Data File:	030415.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	152
Toluene-d8	96	36	149
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B173-25	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103051-06
Date Analyzed:	03/04/11	Data File:	030416.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	23 ve
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B173-25	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103051-06 1/10
Date Analyzed:	03/11/11 01:34	Data File:	031029.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	152
Toluene-d8	107	36	149
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.5
Chloroethane	<5
1,1-Dichloroethene	<0.5
Methylene chloride	<5
trans-1,2-Dichloroethene	<0.5
1,1-Dichloroethane	<0.5
cis-1,2-Dichloroethene	<0.5
1,2-Dichloroethane (EDC)	<0.5
1,1,1-Trichloroethane	<0.5
Trichloroethene	47
Tetrachloroethene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B173-27.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103051-07
Date Analyzed:	03/04/11	Data File:	030417.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	5.3
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	01-325 mb
Date Analyzed:	03/04/11	Data File:	030407.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/14/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103051

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 103093-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	85	66-121
Toluene	mg/kg (ppm)	0.5	85	72-128
Ethylbenzene	mg/kg (ppm)	0.5	86	69-132
Xylenes	mg/kg (ppm)	1.5	89	69-131
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 03/14/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103051

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 103051-07 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	108	102	63-146	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	102	79-144

Date of Report: 03/14/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103051

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 103048-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	27	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	49	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	41	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	50	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	42	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	50	35-138
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	38-139
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	59	44-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	46	33-144
Trichloroethene	mg/kg (ppm)	2.5	<0.03	55	40-138
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	56	37-137

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	82	96	29-135	16
Chloroethane	mg/kg (ppm)	2.5	94	118	10-281	23 vo
1,1-Dichloroethene	mg/kg (ppm)	2.5	93	105	44-153	12
Methylene chloride	mg/kg (ppm)	2.5	91	104	42-144	13
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	105	60-125	8
1,1-Dichloroethane	mg/kg (ppm)	2.5	89	100	66-123	12
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	88	100	72-118	13
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	98	66-125	9
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	87	103	68-128	17
Trichloroethene	mg/kg (ppm)	2.5	94	104	71-122	10
Tetrachloroethene	mg/kg (ppm)	2.5	95	104	69-125	9

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

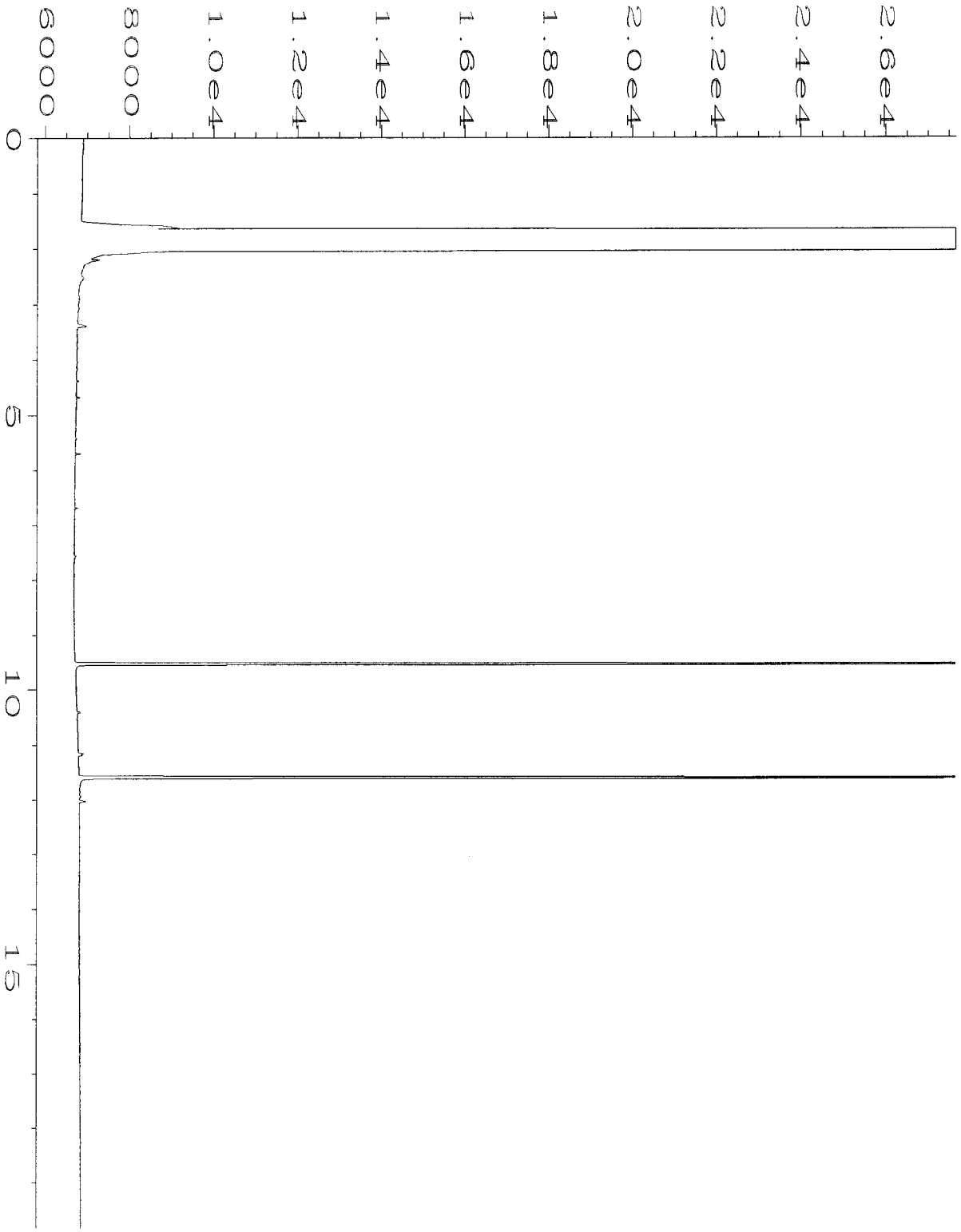
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

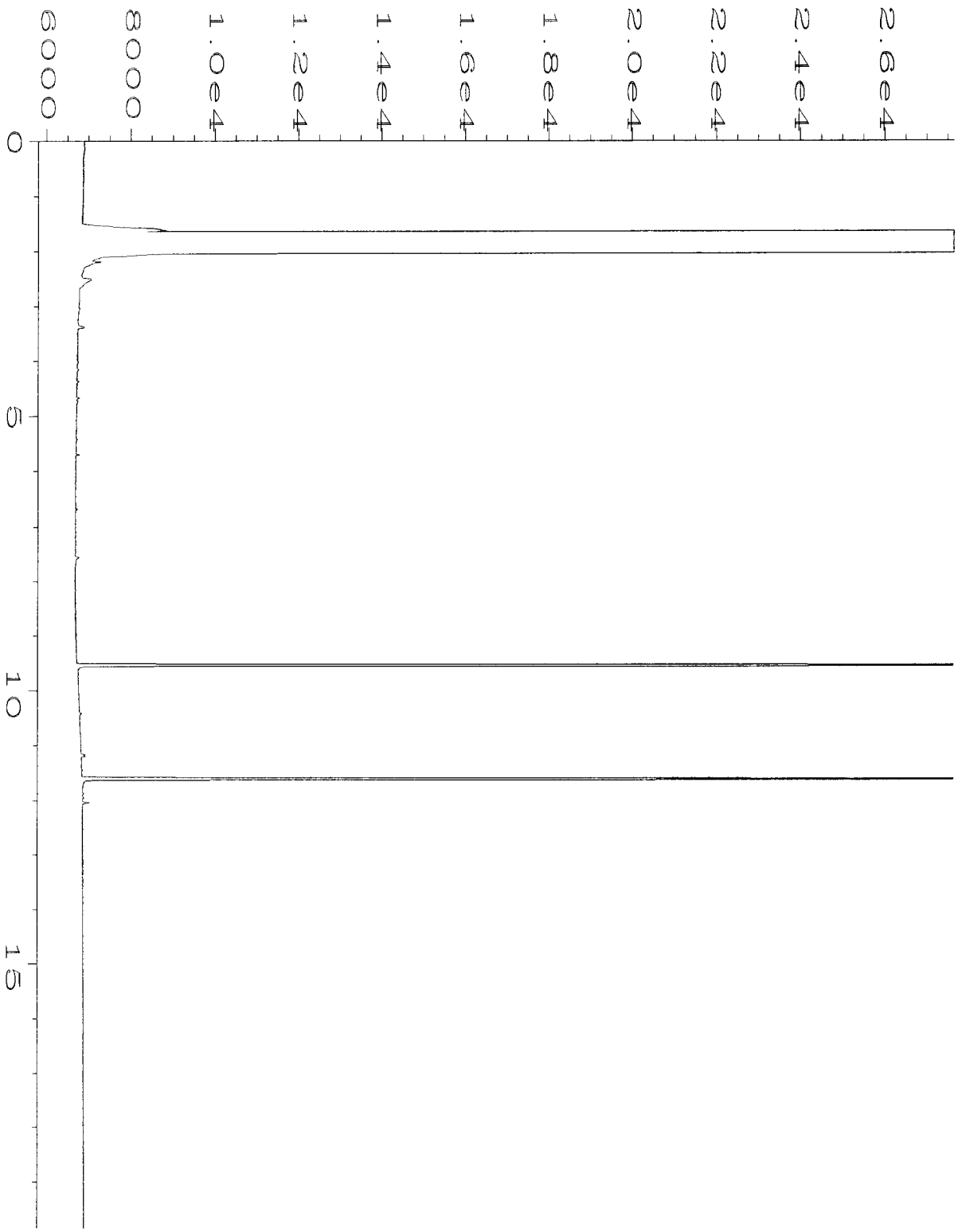
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\1\DATA\03-04-11\031F0901.D
Operator : ML
Instrument : GC1
Sample Name : 103051-01
Run Time Bar Code:
Acquired on : 04 Mar 11 11:12 PM
Report Created on: 07 Mar 11 09:54 AM

Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name	: C:\HPCHEM\1\DATA\03-04-11\015F0501.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 15
Sample Name	: 103051-07	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 5
Acquired on	: 04 Mar 11 02:20 PM	Instrument Method	: TPHD.MTH
Report Created on	: 07 Mar 11 09:54 AM	Analysis Method	: TPHD.MTH

10305 1 [redacted]

SAMPLE CHAIN OF CUSTODY

ME 03/04/11 03 VS2/1 A03

SAMPLERS (signature) [redacted]

Send Report to Jim Brown, cc. Pete Kingston, Jessica Brown, Jennifer Cyr & Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

PROJECT NAME/NO.	PO #
TOC-Holdings Co. Facility No. 01-600 Seattle Terminal	0440-004-24
REMARKS: HOLD ALL SAMPLES pending FIM Y	

X = Run Sample for TOC 3/3/11

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	CVOCs by 8260C	GRPH/BTEX by NWTPH-Gx 8021B	DRPH/ORPH by NWTPH-Dx	Notes
B173-07.5	B173	7.5	01	3/2/11	0955	Soil	5	X	X	X	HOLD PT
B173-10		10	02		1000			X			
B173-12.5		12.5	03		1005						
B173-15		15	04		1015			X			
B173-20.5		20.5	05		1020						
B173-25		25	06		1025			X			
B173-27.5		27.5	07		1030			X	X	X	

By 3/2/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	[redacted]	Pete Kingston	SoundEarth	3/3/11	1540
Received by:	[redacted]	Nhan Phan	FedEx	3/3/11	1540
Relinquished by:					
Received by:			Sample received at 2 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 10, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 3, 2011 from the TOC_01-600_20110303 WORFDB5, F&BI 103052 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0310R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 3, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies 01-600 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
103052-01	B174-02.5
103052-02	B174-05
103052-03	B174-07.5
103052-04	B174-09
103052-05	B174-10.5
103052-06	B174-12
103052-07	B175-02.5
103052-08	B175-05
103052-09	B175-07.5
103052-10	B175-09
103052-11	B175-11
103052-12	B175-13
103052-13	B175-15
103052-14	B175-16.5
103052-15	B175-18

The 8260C laboratory control sample and laboratory control sample duplicate failed the relative percent difference for chloroethane. The analytes were not detected therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 03/10/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103052
Date Extracted: 03/08/11
Date Analyzed: 03/08/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B174-02.5 103052-01	0.027	<0.02	0.039	<0.06	<2	86
B174-07.5 103052-03	<0.02	<0.02	<0.02	<0.06	<2	86
B174-10.5 103052-05	<0.02	<0.02	<0.02	<0.06	<2	83
B175-02.5 103052-07	<0.02	<0.02	<0.02	<0.06	<2	89
B175-07.5 103052-09	<0.02	<0.02	<0.02	<0.06	<2	84
B175-11 103052-11	<0.02	<0.02	<0.02	<0.06	<2	88
B175-15 103052-13	<0.02	<0.02	<0.02	<0.06	<2	114
Method Blank 01-0387 MB	<0.02	<0.02	<0.02	<0.06	<2	87

Date of Report: 03/10/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103052
Date Extracted: 03/04/11
Date Analyzed: 03/05/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B174-02.5 103052-01	<50	<250	107
B174-07.5 103052-03	<50	<250	108
B174-10.5 103052-05	<50	<250	107
B175-02.5 103052-07	<50	<250	103
B175-07.5 103052-09	<50	<250	108
B175-11 103052-11	<50	<250	107
B175-15 103052-13	<50	<250	114
Method Blank 01-0365 MB2	<50	<250	109

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B174-02.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-01
Date Analyzed:	03/04/11	Data File:	030418.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	152
Toluene-d8	101	36	149
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B174-07.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-03
Date Analyzed:	03/04/11	Data File:	030419.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	109	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B174-10.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-05
Date Analyzed:	03/04/11	Data File:	030420.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	107	36	149
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.13
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B175-02.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-07
Date Analyzed:	03/04/11	Data File:	030421.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	152
Toluene-d8	111	36	149
4-Bromofluorobenzene	113	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B175-07.5	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-09
Date Analyzed:	03/04/11	Data File:	030422.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	152
Toluene-d8	119	36	149
4-Bromofluorobenzene	117	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B175-11	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-11
Date Analyzed:	03/04/11	Data File:	030427.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.56
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.72
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B175-15	Client:	SoundEarth Strategies
Date Received:	03/03/11	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	103052-13
Date Analyzed:	03/04/11	Data File:	030428.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	152
Toluene-d8	101	36	149
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110303 WORFDB5
Date Extracted:	03/04/11	Lab ID:	01-325 mb
Date Analyzed:	03/04/11	Data File:	030407.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	152
Toluene-d8	100	36	149
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 03/10/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103052

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 103093-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	85	66-121
Toluene	mg/kg (ppm)	0.5	85	72-128
Ethylbenzene	mg/kg (ppm)	0.5	86	69-132
Xylenes	mg/kg (ppm)	1.5	89	69-131
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 03/10/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103052

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 010323-11 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	98	99	64-133	1

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	58-147

Date of Report: 03/10/11
Date Received: 03/03/11
Project: TOC_01-600_20110303 WORFDB5, F&BI 103052

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 103048-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	27	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	49	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	41	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	50	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	42	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	50	35-138
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	38-139
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	59	44-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	46	33-144
Trichloroethene	mg/kg (ppm)	2.5	<0.03	55	40-138
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	56	37-137

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	82	96	29-135	16
Chloroethane	mg/kg (ppm)	2.5	94	118	10-281	23 vo
1,1-Dichloroethene	mg/kg (ppm)	2.5	93	105	44-153	12
Methylene chloride	mg/kg (ppm)	2.5	91	104	42-144	13
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	105	60-125	8
1,1-Dichloroethane	mg/kg (ppm)	2.5	89	100	66-123	12
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	88	100	72-118	13
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	98	66-125	9
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	87	103	68-128	17
Trichloroethene	mg/kg (ppm)	2.5	94	104	71-122	10
Tetrachloroethene	mg/kg (ppm)	2.5	95	104	69-125	9

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

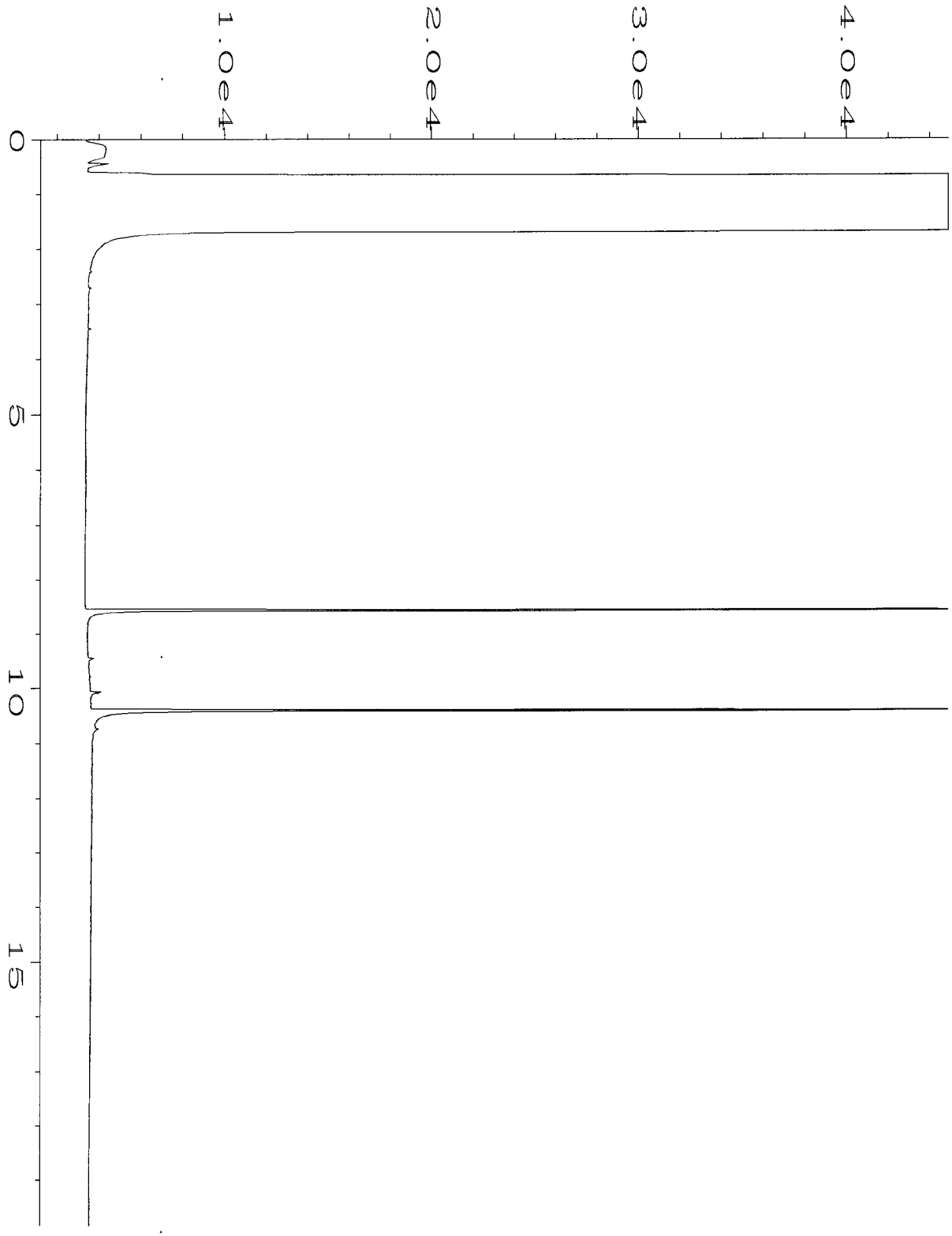
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

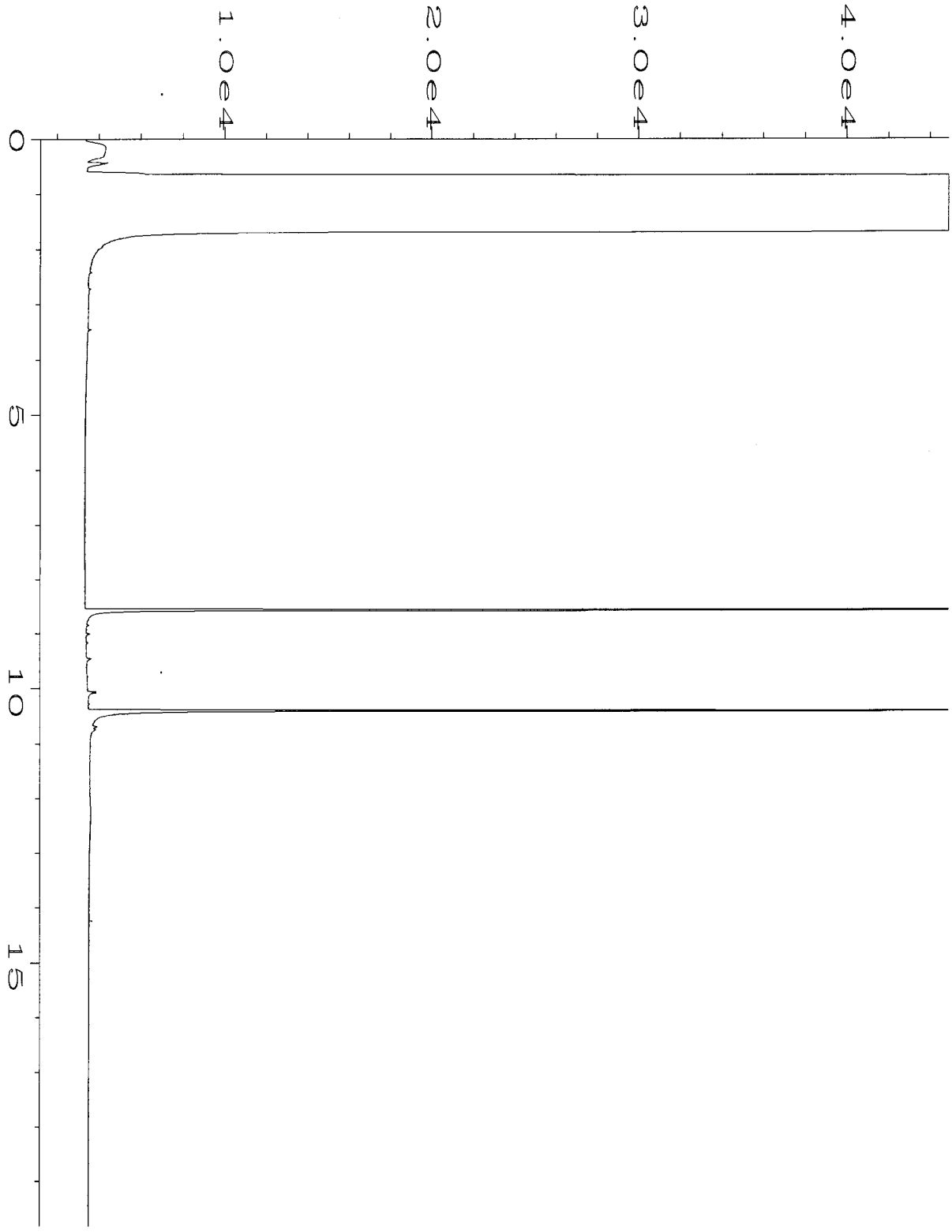
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



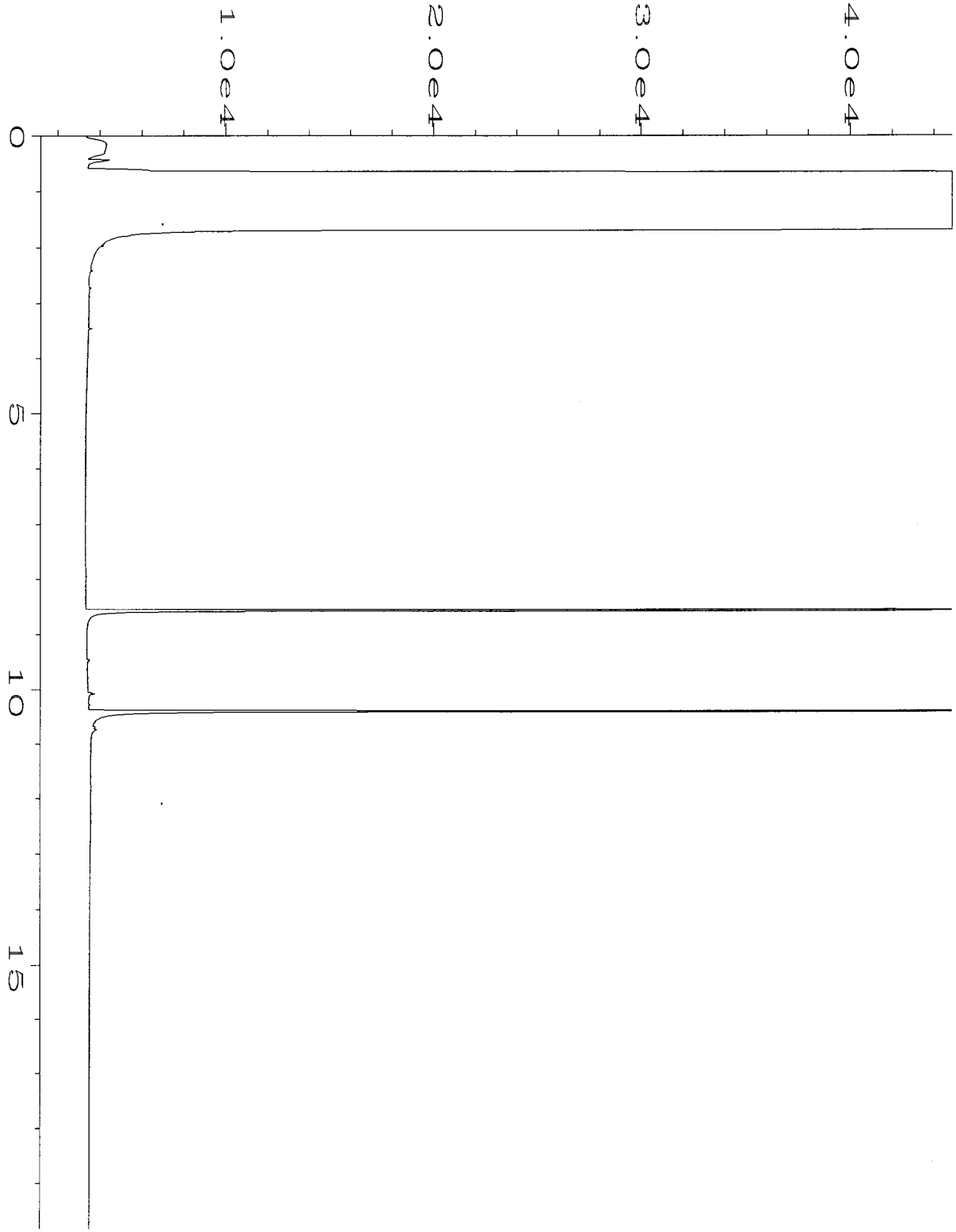
Data File Name : C:\HPCHEM\6\DATA\03-04-11\036F1201.D
Operator : ML
Instrument : GC #6
Sample Name : 103052-01 sg
Run Time Bar Code:
Acquired on : 05 Mar 11 03:16 AM
Report Created on: 07 Mar 11 08:41 AM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 12
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

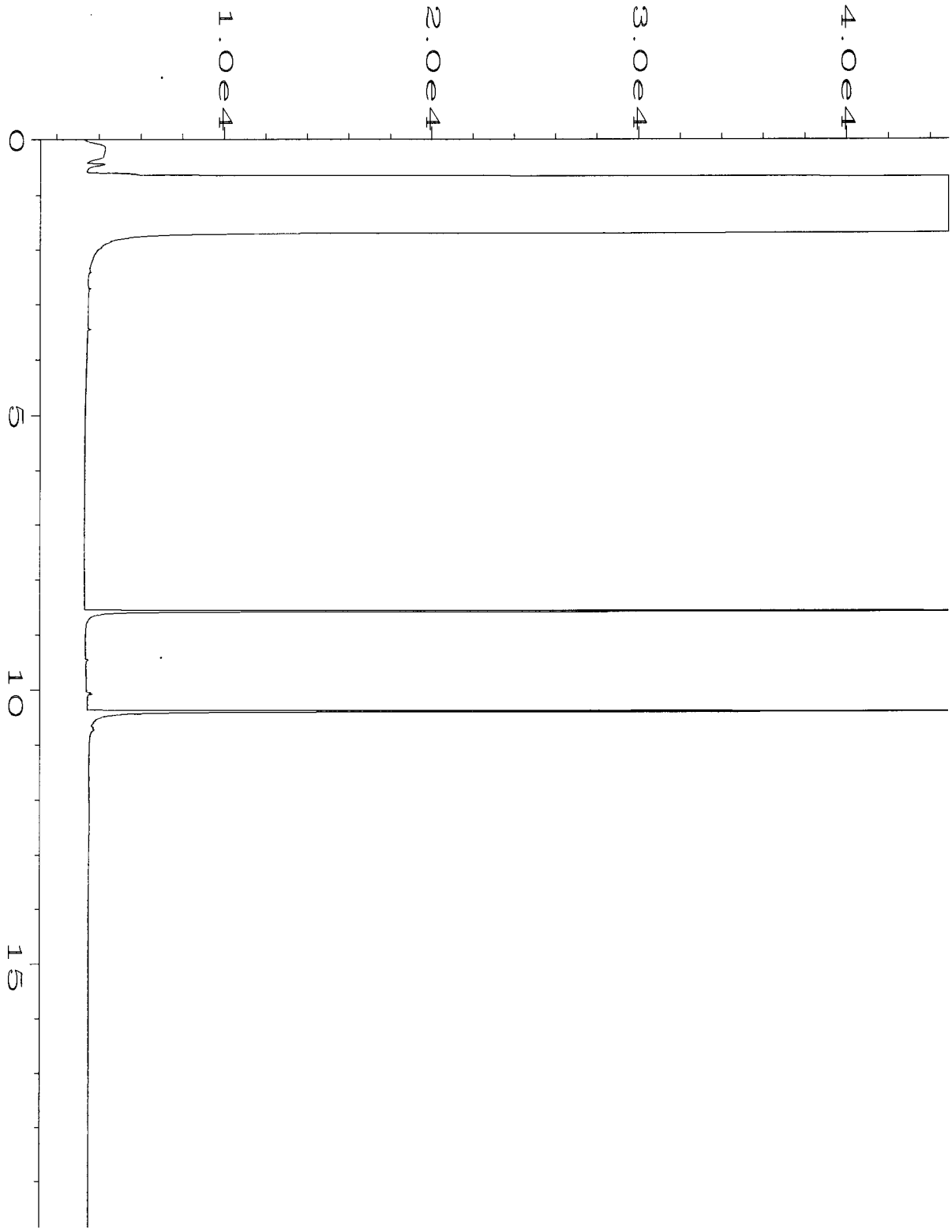


Data File Name : C:\HPCHEM\6\DATA\03-04-11\037F1201.D
Operator : ML
Instrument : GC #6
Sample Name : 103052-03 sg
Run Time Bar Code:
Acquired on : 05 Mar 11 03:41 AM
Report Created on: 07 Mar 11 08:41 AM

Page Number : 1
Vial Number : 37
Injection Number : 1
Sequence Line : 12
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name	: C:\HPCHEM\6\DATA\03-04-11\038F1201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 38
Sample Name	: 103052-05 sg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 12
Acquired on	: 05 Mar 11 04:06 AM	Instrument Method	: TPHD.MTH
Report Created on	: 07 Mar 11 08:41 AM	Analysis Method	: TPHD.MTH



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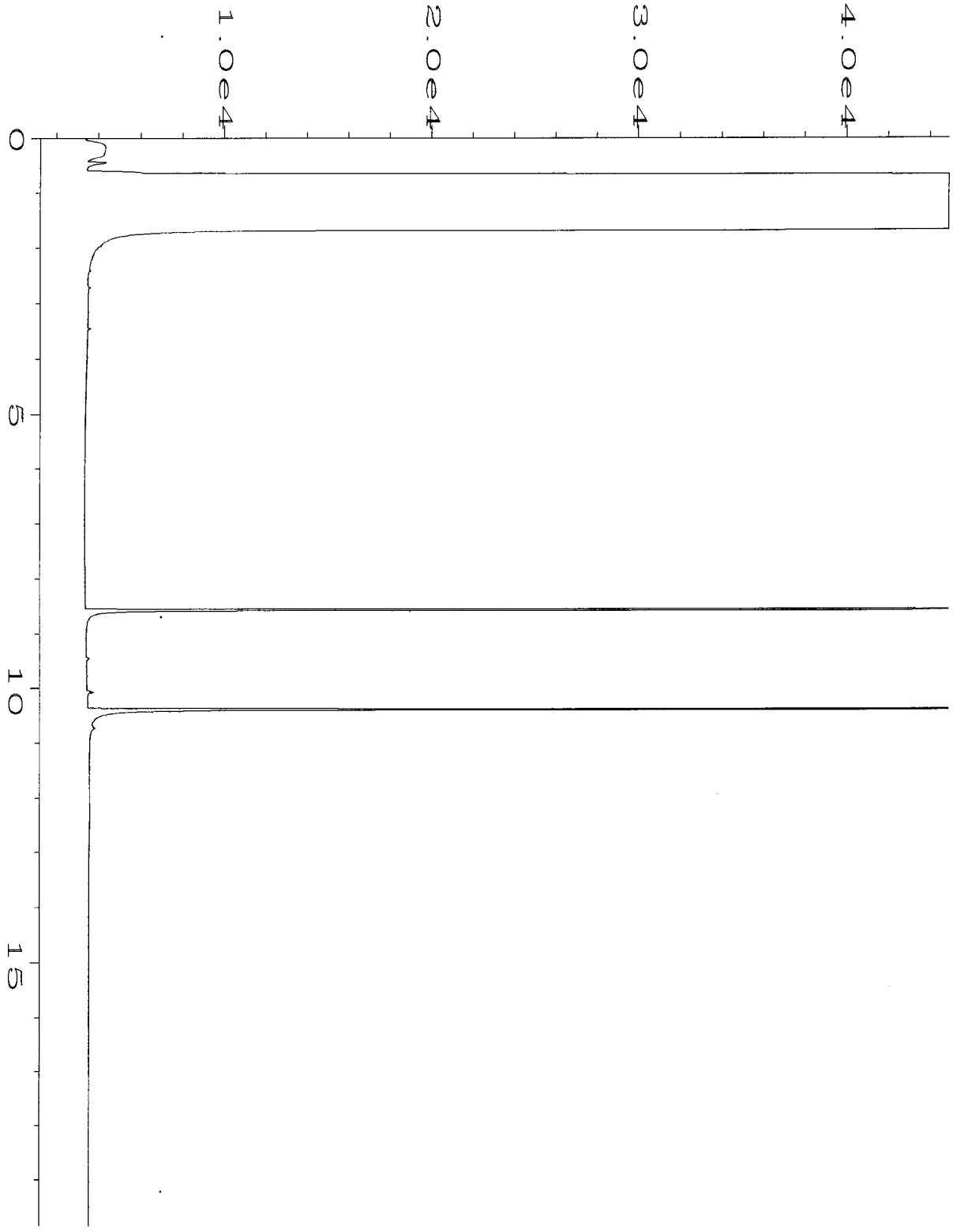
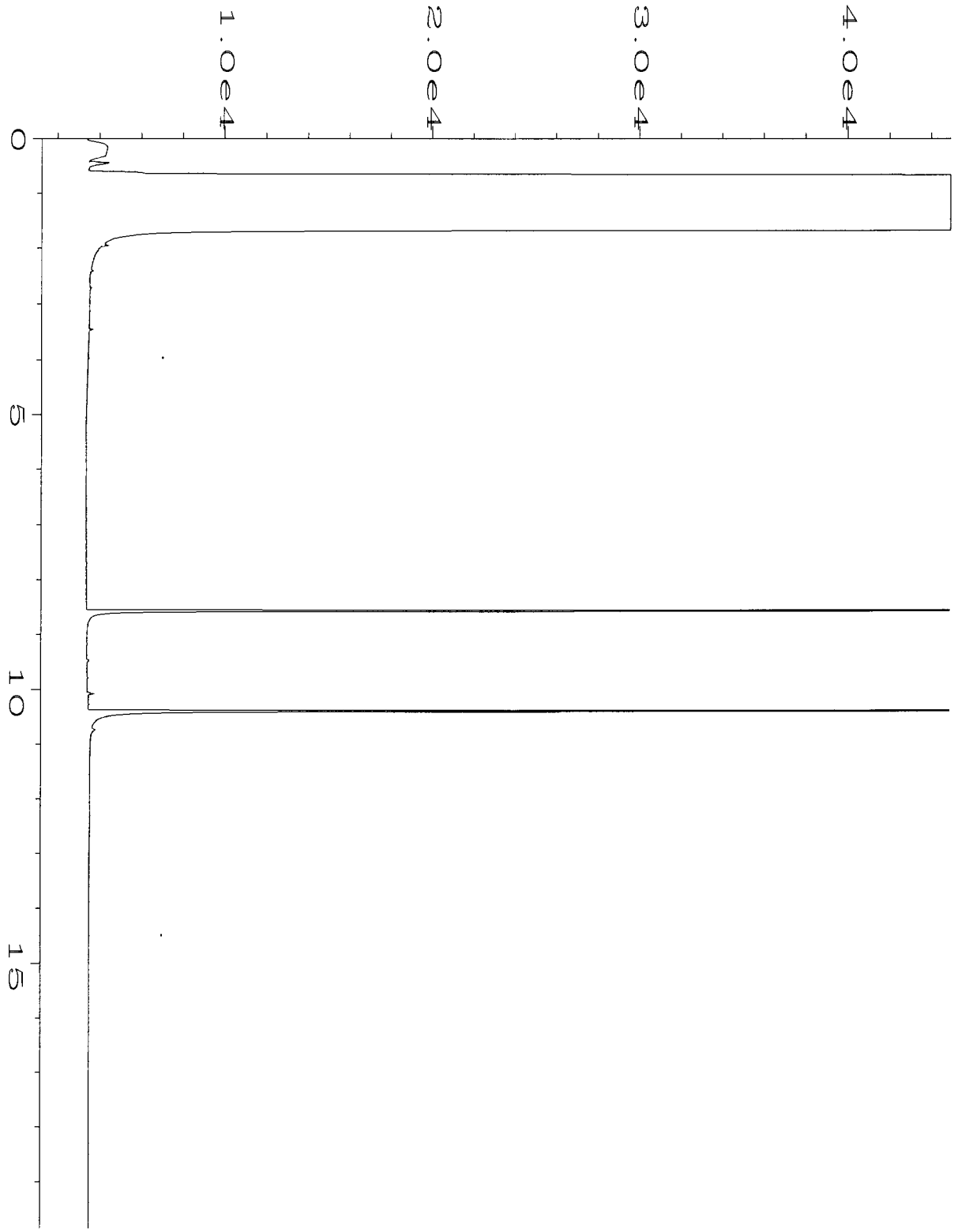
Operator : ML
Instrument : GC #6
Sample Name : 103052-07 sg
Run Time Bar Code:
Acquired on : 05 Mar 11 04:32 AM
Report Created on: 07 Mar 11 08:42 AM

Page Number : 1
Vial Number : 39
Injection Number : 1
Sequence Line : 12
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name	: C:\HPCHEM\6\DATA\03-04-11\040F1201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 40
Sample Name	: 103052-09 sg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 12
Acquired on	: 05 Mar 11 04:57 AM	Instrument Method	: TPHD.MTH
Report Created on	: 07 Mar 11 08:42 AM	Analysis Method	: TPHD.MTH



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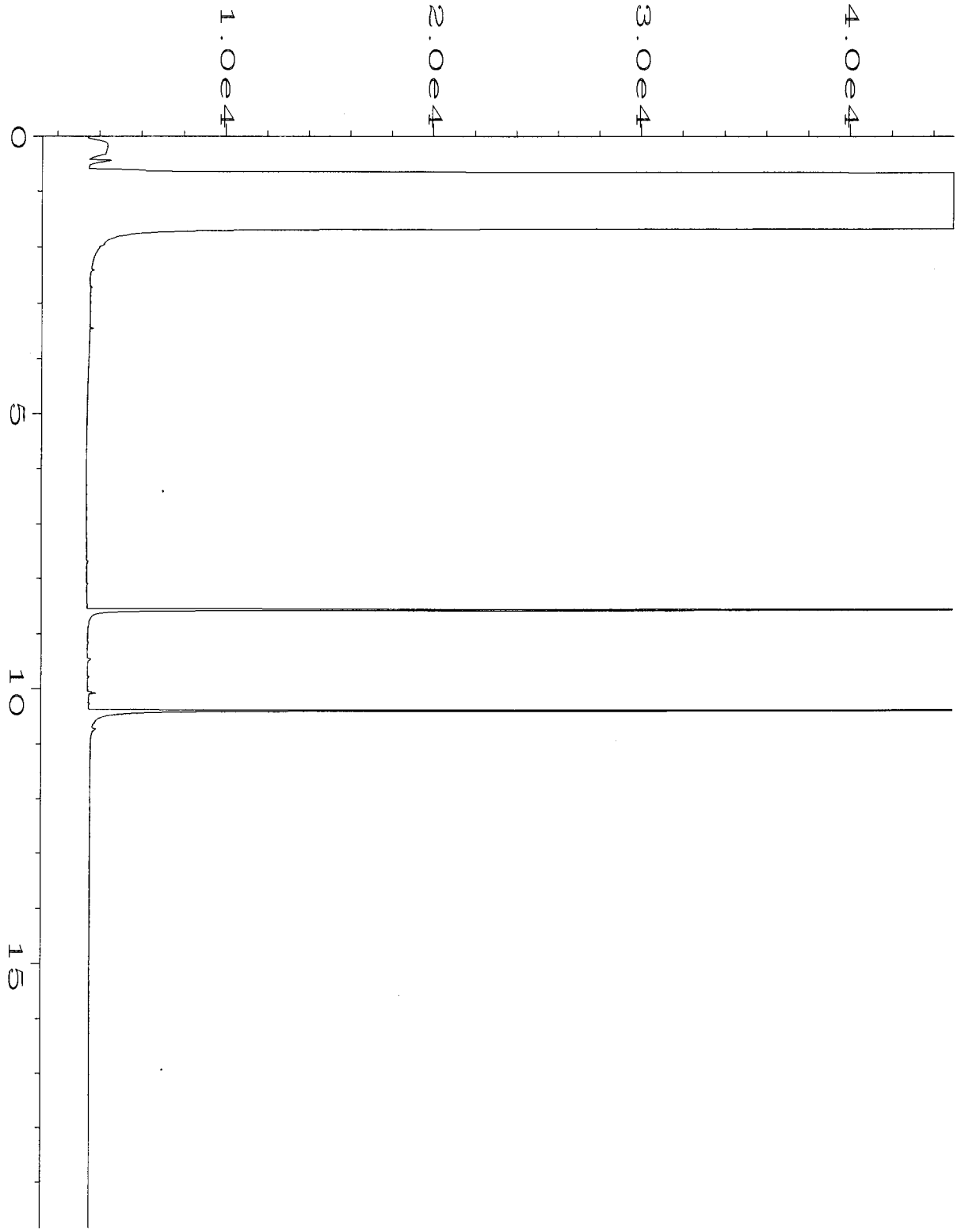
Operator : ML
Instrument : GC #6
Sample Name : 103052-11 sg
Run Time Bar Code:
Acquired on : 05 Mar 11 05:22 AM
Report Created on: 07 Mar 11 08:43 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 12
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name	: C:\HPCHEM\6\DATA\03-04-11\042F1201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 42
Sample Name	: 103052-13 sg	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 12
Acquired on	: 05 Mar 11 05:47 AM	Instrument Method	: TPHD.MTH
Report Created on	: 07 Mar 11 08:43 AM	Analysis Method	: TPHD.MTH

103052

SAMPLE CHAIN OF CUSTODY ME 03/03/11

AOS/VSY

Page # 1 of 2

Send Report To Tim Brown, cc: Pete Kingston, Jessica Brown, Jennifer Cyr & Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal

PO #: 0440-004-24

REMARKS: ~~HOLD ALL SAMPLES~~ On pe PK 3/4/11 MS

EIM Y

TURNAROUND TIME
- ☒ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	CVOCs by 8260C	GRPH/BTEX by NWTPH-Gx /8021B	DRPH/ORPH by NWTPH-Dx						Notes
B174-02.5	B174	2.5	01 AE	3/3/11	1035	Soil	5	⊗	⊗	⊗						~~HOLD~~
B174-05	↓	5	02	↓	1040	↓	↓									
B174-07.5		7.5	03		1045			⊗	⊗	⊗						
B174-09		9	04		1047											
B174-10.5		10.5	05		1050			⊗	⊗	⊗						
B174-12	↓	12	06		1055											
B175-02.5	B175	2.5	07		1300			⊗	⊗	⊗						
B175-05		5	08		1305											
B175-07.5		7.5	09		1310			⊗	⊗	⊗						
B175-09		9	10		1315											
B175-11		11	11		1320			⊗	⊗	⊗						
B175-13		13	12		1325											
B175-15	↓	15	13 ↓	↓	1330	↓	↓	⊗	⊗	⊗						↓

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Pete Kingston	SoundEarth	3/3/11	1540
Received by:		Nhan Phan	FedEx	3/3/11	1540
Relinquished by:					
Received by:			Samples received at 3 °C		

103052

SAMPLE CHAIN OF CUSTODY

ME 03/03/11

Page # 1 of 2 AOS VS

Send Report To Tim Brown, cc: Pete Kingston, Jessica Brown, Jennifer Cyr & Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal

PO #: 0440-004-24

REMARKS: HOLD ALL SAMPLES

EIM Y

TURNAROUND TIME
- ☐ Standard (2 Weeks)
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- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
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Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	CVOCs by 8260C	GRPH/BTEX by NWTPH-Gx /8021B	DRPH/ORPH by NWTPH-Dx							Notes
B175-16.5	B175	16.5	14 AE	3/3/11	1340	Soil	5										HOLD
B175-18	B175	18	15 V	3/3/11	1345	Soil	5										HOLD

on 3/3/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Pete Kingston	SoundEarth	3/3/11	1540
Received by:		Nhan Pham	F e B I	3/3/11	V
Relinquished by:					
Received by:			Samples received at 3 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 22, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on March 7, 2011 from the TOC_01-600_20110307 WORFDB5, F&BI 103087 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0322R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 7, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20110307 WORFDB5, F&BI 103087 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
103087-01	01MW78-20110307
103087-02	01MW79-20110307
103087-03	01MW77-20110307
103087-04	01MW76-20110307

Methylene chloride was detected in the 8260C method blank. The results was flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

Date of Report: 03/22/11
Date Received: 03/07/11
Project: TOC_01-600_20110307 WORFDB5, F&BI 103087
Date Extracted: 03/10/11
Date Analyzed: 03/10/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
01MW78-20110307 103087-01	<1	<1	<1	<3	<100	76
01MW79-20110307 103087-02	<1	<1	<1	<3	280 x	82
01MW77-20110307 103087-03	<1	<1	<1	<3	<100	78
01MW76-20110307 103087-04	<1	<1	<1	<3	<100	66
Method Blank 01-0426 MB	<1	<1	<1	<3	<100	80

Date of Report: 03/22/11
Date Received: 03/07/11
Project: TOC_01-600_20110307 WORFDB5, F&BI 103087
Date Extracted: 03/08/11
Date Analyzed: 03/10/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 47-140)
01MW78-20110307 103087-01	<50	<250	77
01MW79-20110307 103087-02	<50	<250	91
01MW77-20110307 103087-03	<50	<250	91
01MW76-20110307 103087-04	<50	<250	90
Method Blank 01-0379 MB2	<50	<250	90

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW78-20110307	Client:	SoundEarth Strategies
Date Received:	03/07/11	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/09/11	Lab ID:	103087-01
Date Analyzed:	03/09/11	Data File:	030924.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96 ca	63	127
Toluene-d8	90	65	127
4-Bromofluorobenzene	89	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	16
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW79-20110307	Client:	SoundEarth Strategies
Date Received:	03/07/11	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/09/11	Lab ID:	103087-02
Date Analyzed:	03/10/11	Data File:	030925.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104 ca	63	127
Toluene-d8	99	65	127
4-Bromofluorobenzene	97	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	6.9
Chloroethane	<1
1,1-Dichloroethene	1.3
Methylene chloride	<5
trans-1,2-Dichloroethene	3.2
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	33
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	750 ve
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW79-20110307	Client:	SoundEarth Strategies
Date Received:	03/07/11	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/11/11	Lab ID:	103087-02 1/10
Date Analyzed:	03/11/11	Data File:	031112.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	63	127
Toluene-d8	92	65	127
4-Bromofluorobenzene	91	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	6.9
Chloroethane	<10
1,1-Dichloroethene	<10
Methylene chloride	<50
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	28
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	590
Tetrachloroethene	<10

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW77-20110307	Client:	SoundEarth Strategies
Date Received:	03/07/11	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/11/11	Lab ID:	103087-03
Date Analyzed:	03/11/11	Data File:	031113.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	63	127
Toluene-d8	91	65	127
4-Bromofluorobenzene	89	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	1.3
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW76-20110307	Client:	SoundEarth Strategies
Date Received:	03/07/11	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/09/11	Lab ID:	103087-04
Date Analyzed:	03/10/11	Data File:	030927.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104 ca	63	127
Toluene-d8	100	65	127
4-Bromofluorobenzene	96	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/09/11	Lab ID:	01-392 mb
Date Analyzed:	03/09/11	Data File:	030916.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	130 vo ca	63	127
Toluene-d8	126	65	127
4-Bromofluorobenzene	118	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110307 WORFDB5
Date Extracted:	03/11/11	Lab ID:	01-397 mb
Date Analyzed:	03/11/11	Data File:	031111.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	63	127
Toluene-d8	90	65	127
4-Bromofluorobenzene	92	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	5.2 lc
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Date of Report: 03/22/11
Date Received: 03/07/11
Project: TOC_01-600_20110307 WORFDB5, F&BI 103087

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 103087-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	99	65-118
Toluene	ug/L (ppb)	50	98	72-122
Ethylbenzene	ug/L (ppb)	50	99	73-126
Xylenes	ug/L (ppb)	150	100	74-118
Gasoline	ug/L (ppb)	1,000	93	69-134

Date of Report: 03/22/11
Date Received: 03/07/11
Project: TOC_01-600_20110307 WORFDB5, F&BI 103087

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	74	77	58-134	4

Date of Report: 03/22/11
Date Received: 03/07/11
Project: TOC_01-600_20110307 WORFDB5, F&BI 103087

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 103087-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	99	10-185
Chloroethane	ug/L (ppb)	50	<1	108	10-172
1,1-Dichloroethene	ug/L (ppb)	50	<1	104	35-149
Methylene chloride	ug/L (ppb)	50	<5	97	61-138
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	65-128
1,1-Dichloroethane	ug/L (ppb)	50	<1	100	67-127
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	101	65-139
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	101	68-132
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	106	63-135
Trichloroethene	ug/L (ppb)	50	<1	106	66-121
Tetrachloroethene	ug/L (ppb)	50	<1	103	64-132

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	94	99	53-131	5
Chloroethane	ug/L (ppb)	50	94	107	30-176	13
1,1-Dichloroethene	ug/L (ppb)	50	98	103	65-157	5
Methylene chloride	ug/L (ppb)	50	90	98	17-177	9
trans-1,2-Dichloroethene	ug/L (ppb)	50	92	97	71-128	5
1,1-Dichloroethane	ug/L (ppb)	50	94	98	74-118	4
cis-1,2-Dichloroethene	ug/L (ppb)	50	94	98	74-126	4
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	95	97	71-135	2
1,1,1-Trichloroethane	ug/L (ppb)	50	95	101	77-123	6
Trichloroethene	ug/L (ppb)	50	101	101	74-119	0
Tetrachloroethene	ug/L (ppb)	50	100	103	83-113	3

Date of Report: 03/22/11
Date Received: 03/07/11
Project: TOC_01-600_20110307 WORFDB5, F&BI 103087

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	91	87	53-131	4
Chloroethane	ug/L (ppb)	50	93	95	30-176	2
1,1-Dichloroethene	ug/L (ppb)	50	98	98	65-157	0
Methylene chloride	ug/L (ppb)	50	118	111	17-177	6
trans-1,2-Dichloroethene	ug/L (ppb)	50	90	88	71-128	2
1,1-Dichloroethane	ug/L (ppb)	50	97	94	74-118	3
cis-1,2-Dichloroethene	ug/L (ppb)	50	96	93	74-126	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	106	102	71-135	4
1,1,1-Trichloroethane	ug/L (ppb)	50	106	105	77-123	1
Trichloroethene	ug/L (ppb)	50	105	102	74-119	3
Tetrachloroethene	ug/L (ppb)	50	101	98	83-113	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

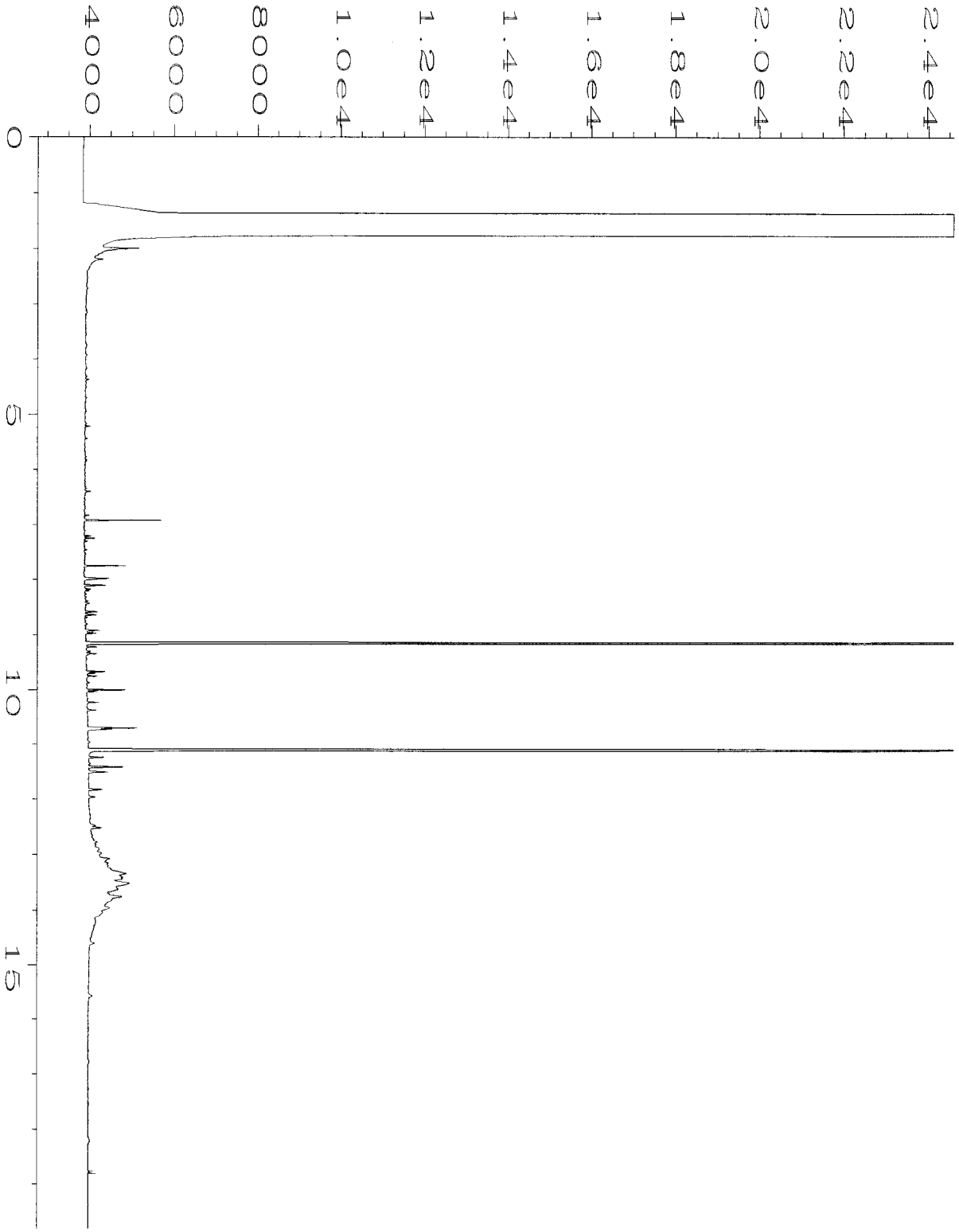
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

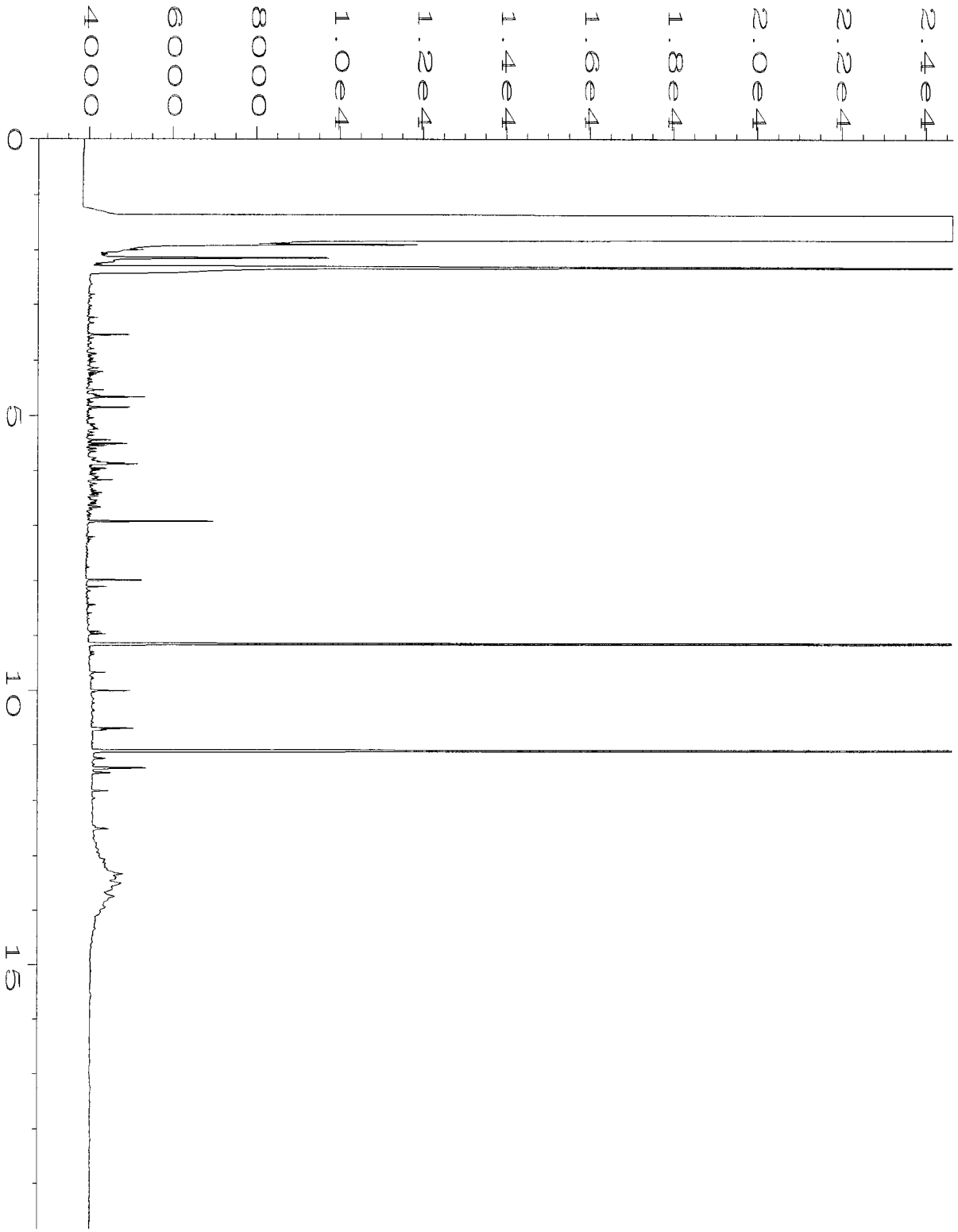
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



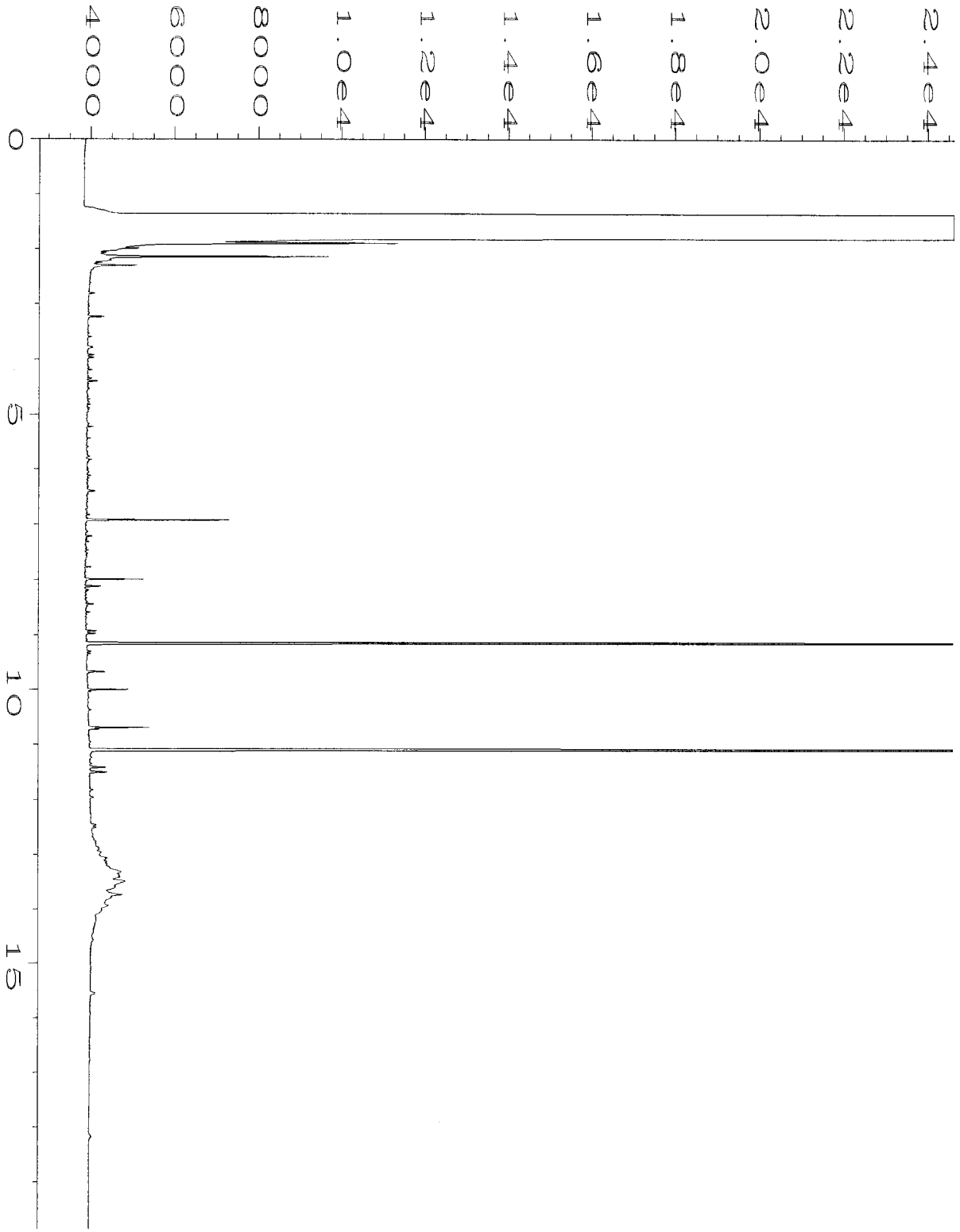
Data File Name : C:\HPCHEM\4\DATA\03-10-11\016F0301.D
Operator : ML
Instrument : GC#4
Sample Name : 103087-01 sg
Run Time Bar Code:
Acquired on : 10 Mar 11 02:40 PM
Report Created on: 11 Mar 11 09:54 AM

Page Number : 1
Vial Number : 16
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



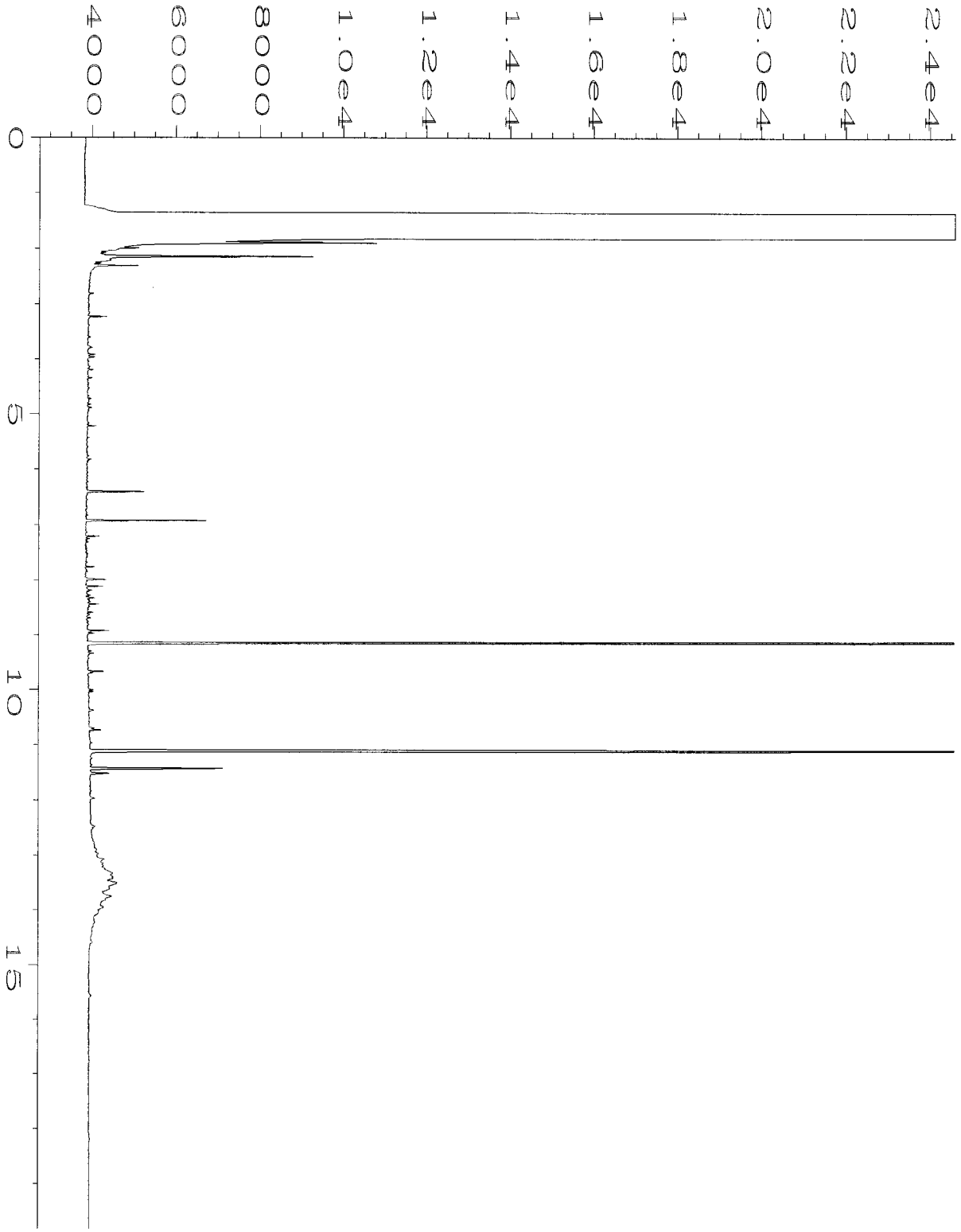
Data File Name : C:\HPCHEM\4\DATA\03-10-11\017F0501.D
Operator : ML
Instrument : GC#4
Sample Name : 103087-02 sg
Run Time Bar Code:
Acquired on : 10 Mar 11 04:05 PM
Report Created on: 11 Mar 11 09:54 AM

Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\03-10-11\018F0501.D
Operator : ML
Instrument : GC#4
Sample Name : 103087-03 sg
Run Time Bar Code:
Acquired on : 10 Mar 11 04:32 PM
Report Created on: 11 Mar 11 09:55 AM

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\4\DATA\03-10-11\019F0501.D
Operator : ML
Instrument : GC#4
Sample Name : 103087-04 sg
Run Time Bar Code:
Acquired on : 10 Mar 11 05:00 PM
Report Created on: 11 Mar 11 09:55 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 5
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

103087

SAMPLE CHAIN OF CUSTODY ME 03/07/11

Page # 1 of 1

Send Report To Tim Brown, cc: Jessica Brown, Jennifer Cyr, Pete Kingston, Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal – ASKO Property

PO #: 0440-004-24

REMARKS

EIM Y

TURNAROUND TIME

☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260C						Notes
OIMW78-20110307	OIMW78	47.5	01A-G	3/7/11	1142	H20	7	X	X	X	X						
OIMW79-20110307	OIMW79	10.5	02	3/7/11	1144	H20	7	X	X	X	X						
OIMW77-20110307	OIMW77	38.5	03	3/7/11	1257	H20	7	X	X	X	X						
OIMW76-20110307	OIMW76	36.5	04	3/7/11	1355	H20	7	X	X	X	X						

by 3/7/11

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	David Mendel	SES	3/7/11	1450
Received by:	Richard Hedelund	FBI	3-07-11	1450
Relinquished by:				
Received by:				

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 3, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on April 18, 2011 from the TOC_01-600_20110418 WORFDB5, F&BI 104225 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0503R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 18, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20110418 WORFDB5, F&BI 104225 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
104225-01	B188-02.5
104225-02	B188-05
104225-03	B188-07.5
104225-04	B188-10
104225-05	B188-12.5
104225-06	B188-15
104225-07	B188-17.5
104225-08	B188-20
104225-09	B188-22.5
104225-10	B189-07.5
104225-11	B189-10
104225-12	B189-12.5
104225-13	B189-15
104225-14	B189-17.5
104225-15	B189-20

All quality control requirements were acceptable.

Date of Report: 05/03/11
Date Received: 04/18/11
Project: TOC_01-600_20110418 WORFDB5, F&BI 104225
Date Extracted: 04/22/11
Date Analyzed: 04/22/11 and 04/23/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B188-02.5 104225-01	<0.02	<0.02	0.16	0.22	95	89
B188-07.5 104225-03	<0.02	<0.02	0.78	1.1	260	ip
B188-12.5 104225-05	<0.02	<0.02	<0.02	<0.06	<2	113
B189-12.5 104225-12	<0.02	<0.02	<0.02	<0.06	<2	96
Method Blank 01-734 MB	<0.02	<0.02	<0.02	<0.06	<2	101

Date of Report: 05/03/11
Date Received: 04/18/11
Project: TOC_01-600_20110418 WORFDB5, F&BI 104225
Date Extracted: 04/22/11
Date Analyzed: 04/22/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B188-02.5 104225-01	2,300	<250	111
B188-07.5 104225-03	2,300	<250	110
B188-12.5 104225-05	<50	<250	104
B189-12.5 104225-12	<50	<250	105
Method Blank 01-728 MB	<50	<250	113

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B188-02.5	Client:	SoundEarth Strategies
Date Received:	04/18/11	Project:	TOC_01-600_20110418 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104225-01
Date Analyzed:	04/26/11	Data File:	042527.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B188-07.5	Client:	SoundEarth Strategies
Date Received:	04/18/11	Project:	TOC_01-600_20110418 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104225-03
Date Analyzed:	04/27/11	Data File:	042725.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	106	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B188-12.5	Client:	SoundEarth Strategies
Date Received:	04/18/11	Project:	TOC_01-600_20110418 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104225-05
Date Analyzed:	04/27/11	Data File:	042726.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	104	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B189-12.5	Client:	SoundEarth Strategies
Date Received:	04/18/11	Project:	TOC_01-600_20110418 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104225-12
Date Analyzed:	04/27/11	Data File:	042727.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	42	158
Toluene-d8	110	42	159
4-Bromofluorobenzene	108	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110418 WORFDB5
Date Extracted:	04/25/11	Lab ID:	01-654 mb
Date Analyzed:	04/25/11	Data File:	042507.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	108	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 05/03/11
Date Received: 04/18/11
Project: TOC_01-600_20110418 WORFDB5, F&BI 104225

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 104275-03 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	9	8	12

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	105	69-120
Toluene	mg/kg (ppm)	0.5	96	70-117
Ethylbenzene	mg/kg (ppm)	0.5	102	65-123
Xylenes	mg/kg (ppm)	1.5	94	66-120
Gasoline	mg/kg (ppm)	20	100	71-131

Date of Report: 05/03/11
Date Received: 04/18/11
Project: TOC_01-600_20110418 WORFDB5, F&BI 104225

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 104255-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	93	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	95	79-144

Date of Report: 05/03/11
Date Received: 04/18/11
Project: TOC_01-600_20110418 WORFDB5, F&BI 104225

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 104126-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	49	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	55	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	56	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	69	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	71	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	75	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	66	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	74	27-119
Trichloroethene	mg/kg (ppm)	2.5	0.24	66	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	29-117

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	69	76	29-135	10
Chloroethane	mg/kg (ppm)	2.5	68	73	10-281	7
1,1-Dichloroethene	mg/kg (ppm)	2.5	70	74	22-151	6
Methylene chloride	mg/kg (ppm)	2.5	75	85	42-144	12
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	82	97	60-125	17
1,1-Dichloroethane	mg/kg (ppm)	2.5	85	93	66-123	9
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	100	72-118	11
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	85	60-124	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	102	68-128	9
Trichloroethene	mg/kg (ppm)	2.5	88	92	71-122	4
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	69-125	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

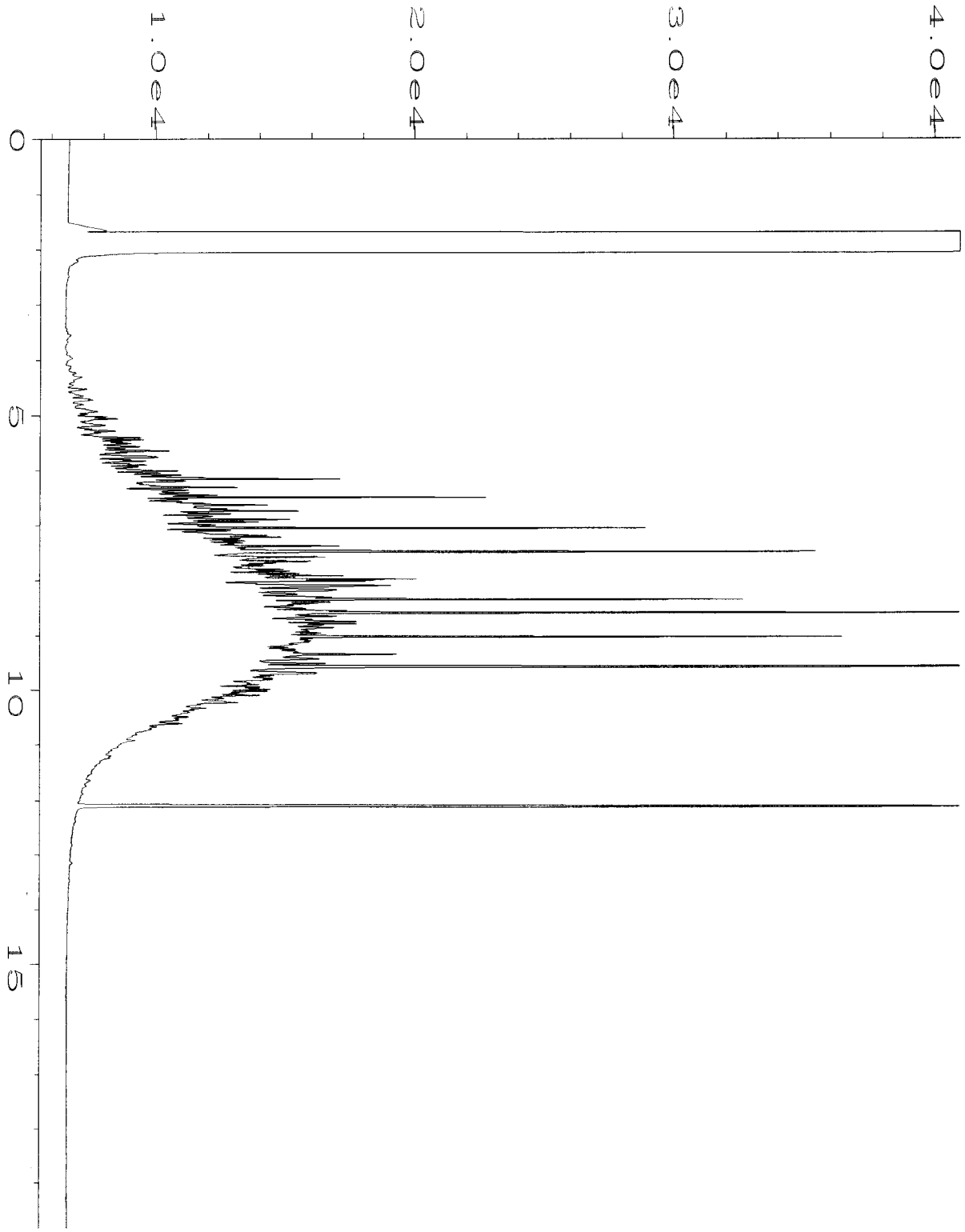
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

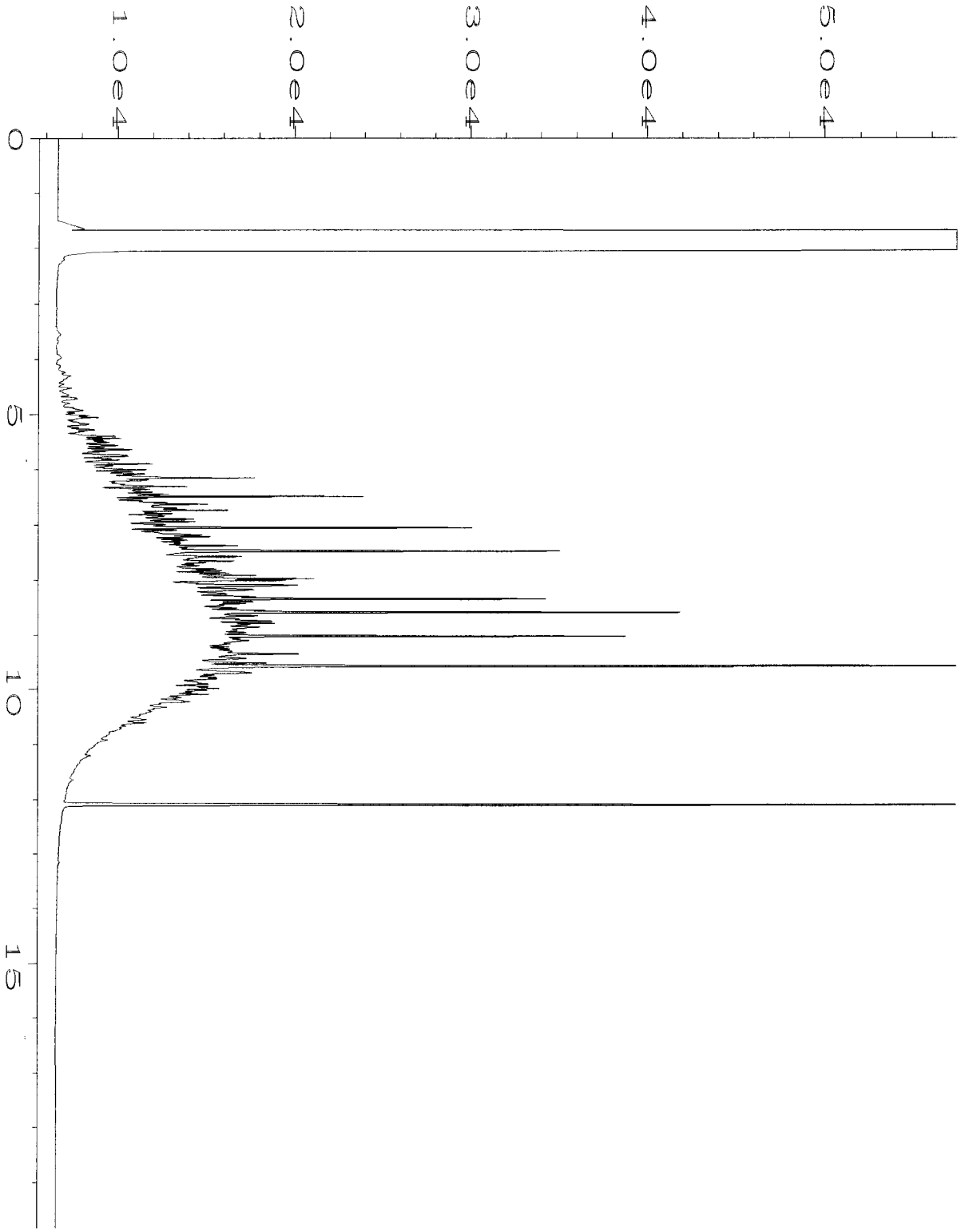
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\1\DATA\04-22-11\017F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 17
Sample Name	: 104225-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 22 Apr 11 05:41 PM	Instrument Method	: TPHD.MTH
Report Created on	: 25 Apr 11 09:57 AM	Analysis Method	: TPHD.MTH



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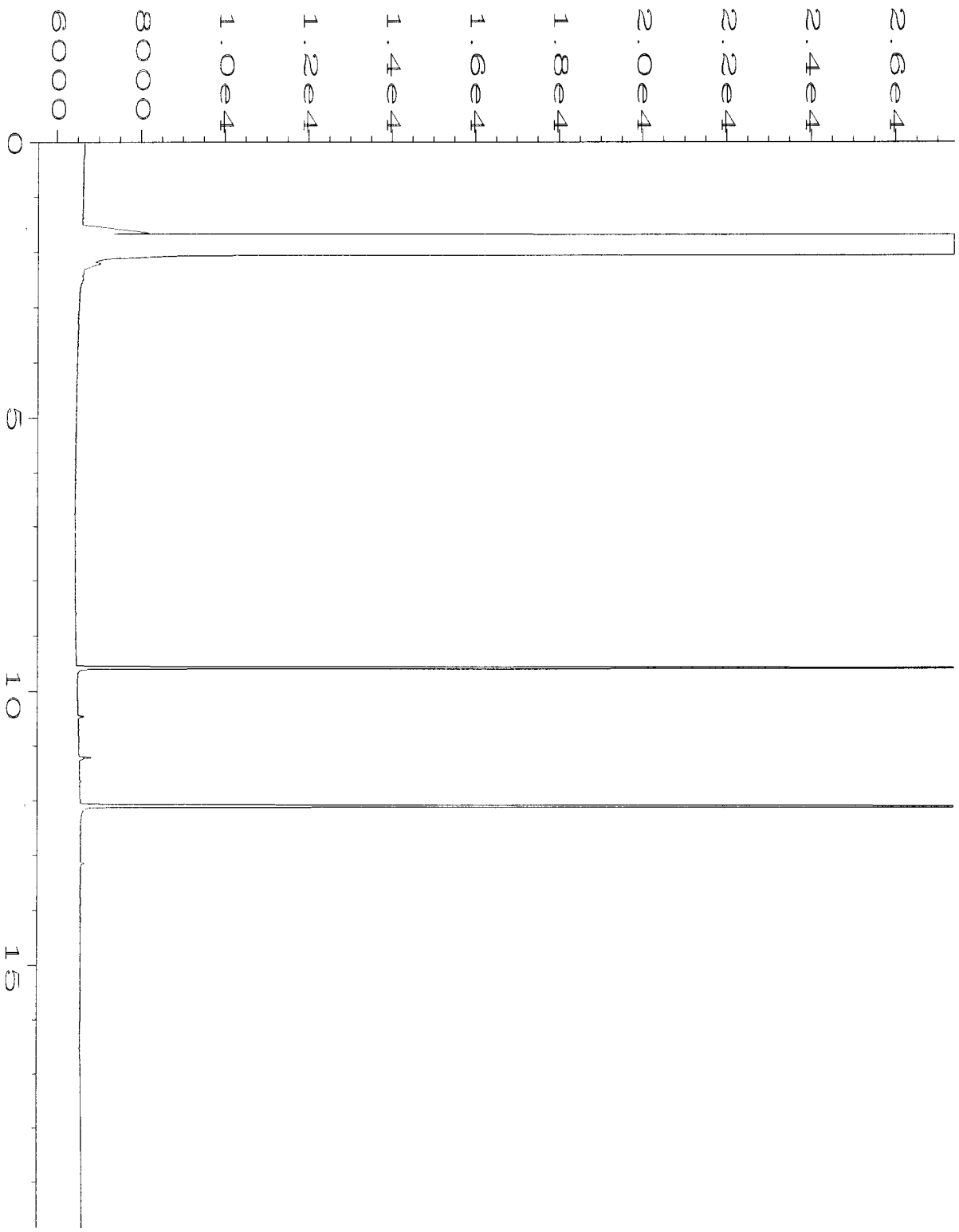
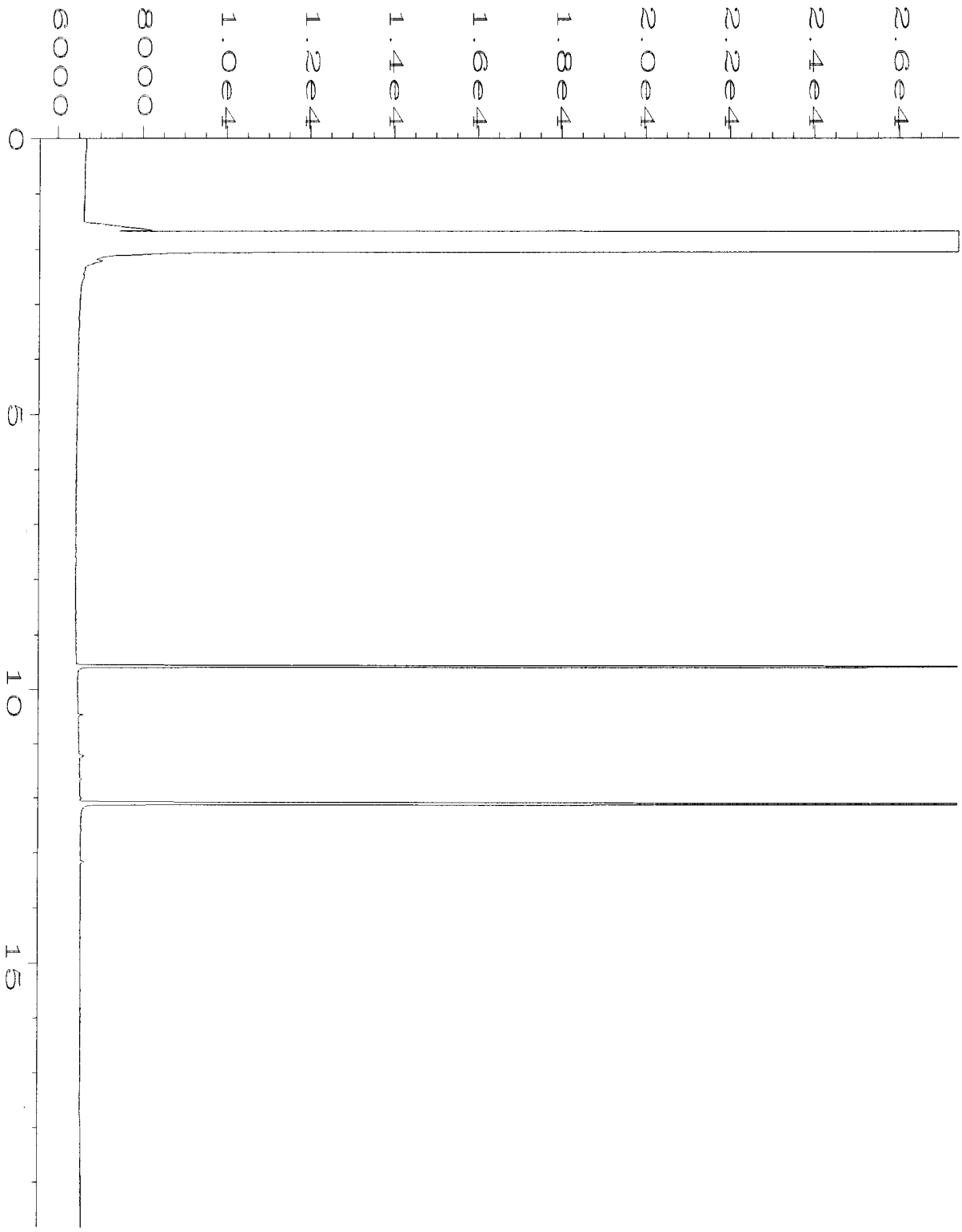
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 18
Sample Name	: 104225-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 22 Apr 11 06:08 PM	Instrument Method	: TPHD.MTH
Report Created on	: 25 Apr 11 09:58 AM	Analysis Method	: TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\04-22-11\019F0701.D
Operator : ML
Instrument : GC1
Sample Name : 104225-05
Run Time Bar Code:
Acquired on : 22 Apr 11 06:34 PM
Report Created on: 25 Apr 11 09:58 AM

Page Number : 1
Vial Number : 19
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\04-22-11\020F0701.D
Operator : ML
Instrument : GC1
Sample Name : 104225-12
Run Time Bar Code:
Acquired on : 22 Apr 11 07:01 PM
Report Created on: 25 Apr 11 09:58 AM

Page Number : 1
Vial Number : 20
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

104225

SAMPLE CHAIN OF CUSTODY ME 04/18/11 DO4/VS3

Send Report To Tim Brown, cc: Jessica Brown, Jennifer Cyr, Pete Kingston, Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
TOC Holdings Co. Facility No. 01-600 Seattle Terminal – ASKO Property	0440-004-24
REMARKS	EIM Y

Page # 1 of 2

TURNAROUND TIME

☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260C	Notes (X-analyze per PK 4/21/11 MR
B188-02.5	B188	2.5	01A-E	4/18/11	0832	SOIL	5	X	X	X	X	HOLD
B188-05	B188	5	02A-E		0837		5					
B188-07.5	B188	7.5	03A-E		0842		5	X	X	X	X	
B188-10	B188	10	04A-E		0845		5					
B188-12.5	B188	12.5	05A-E		0852		5	X	X	X	X	
B188-15	B188	15	06A-E		0854		5					
B188-17.5	B188	17.5	07A-E		0857		5					
B188-20	B188	20	08A-E		0903		5					
B188-22.5	B188	22.5	09A-E		0906		5					
B189-07.5	B189	07.5	10A-E		1129		5					
B189-10	B189	10	11A-E		1135		5					
B189-12.5	B189	12.5	12A-E		1138		5	X	X	X	X	
B189-15	B189	15	13A-E		1143		5					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Andrew Leaf	SES	4/18/11	1701
Received by:		HONG NGUYEN	FBI	✓	✓
Relinquished by:					
Received by:					

Samples received at 2 °C

104225

SAMPLE CHAIN OF CUSTODY

ME 04/18/11

D04/053

Page # 2 of 2

Send Report To Tim Brown, cc: Jessica Brown, Jennifer Cyr, Pete Kingston, Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)	
PROJECT NAME/NO.	PO #
TOC Holdings Co. Facility No. 01-600 Seattle Terminal – ASKO Property	0440-004-24
REMARKS	EIM Y

TURNAROUND TIME

☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

⊗ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260C	Notes
B189-17.5	B189	17.5	16A-E	4/16/11	1146	soil	5					HOLD
B189-20	B189	20	15A-E	4/16/11	1150	soil	5					HOLD

EBF 4/18/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Andrew Leaf	SES	4/18/11	1701
Received by:		HONG NGUYEN	FBI	✓	✓
Relinquished by:					
Received by:			Samples received at	2 °C	

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 4, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on April 19, 2011 from the TOC_01-600_20110419 WORFDB5, F&BI 104236 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0504R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 19, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20110419 WORFDB5, F&BI 104236 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
104236-01	B191-05
104236-02	B191-07.5
104236-03	B191-10
104236-04	B191-12.5
104236-05	B191-15
104236-06	B191-17.5
104236-07	B191-20
104236-08	B191-22.5

All quality control requirements were acceptable.

Date of Report: 05/04/11
Date Received: 04/19/11
Project: TOC_01-600_20110419 WORFDB5, F&BI 104236
Date Extracted: 04/25/11
Date Analyzed: 04/25/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B191-05 104236-01	<0.02	<0.02	<0.02	<0.06	<2	50
B191-12.5 104236-04	<0.02	<0.02	<0.02	<0.06	<2	67
Method Blank 01-0744 MB	<0.02	<0.02	<0.02	<0.06	<2	67

Date of Report: 05/04/11
Date Received: 04/19/11
Project: TOC_01-600_20110419 WORFDB5, F&BI 104236
Date Extracted: 04/22/11
Date Analyzed: 04/22/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B191-05 104236-01	<50	<250	106
B191-12.5 104236-04	<50	<250	105
Method Blank 01-728 MB	<50	<250	113

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B191-05	Client:	SoundEarth Strategies
Date Received:	04/19/11	Project:	TOC_01-600_20110419 WORFDB5
Date Extracted:	04/27/11	Lab ID:	104236-01
Date Analyzed:	04/27/11	Data File:	042728.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	158
Toluene-d8	103	42	159
4-Bromofluorobenzene	106	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B191-12.5	Client:	SoundEarth Strategies
Date Received:	04/19/11	Project:	TOC_01-600_20110419 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104236-04
Date Analyzed:	04/26/11	Data File:	042528.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	101	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110419 WORFDB5
Date Extracted:	04/25/11	Lab ID:	01-654 mb
Date Analyzed:	04/25/11	Data File:	042507.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	108	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 05/04/11
Date Received: 04/19/11
Project: TOC_01-600_20110419 WORFDB5, F&BI 104236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 104236-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	78	66-121
Toluene	mg/kg (ppm)	0.5	72	72-128
Ethylbenzene	mg/kg (ppm)	0.5	77	69-132
Xylenes	mg/kg (ppm)	1.5	74	69-131
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 05/04/11
Date Received: 04/19/11
Project: TOC_01-600_20110419 WORFDB5, F&BI 104236

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 104255-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	93	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	95	79-144

Date of Report: 05/04/11
Date Received: 04/19/11
Project: TOC_01-600_20110419 WORFDB5, F&BI 104236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 104126-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	49	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	55	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	56	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	69	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	71	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	75	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	66	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	74	27-119
Trichloroethene	mg/kg (ppm)	2.5	0.24	66	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	29-117

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	69	76	29-135	10
Chloroethane	mg/kg (ppm)	2.5	68	73	10-281	7
1,1-Dichloroethene	mg/kg (ppm)	2.5	70	74	22-151	6
Methylene chloride	mg/kg (ppm)	2.5	75	85	42-144	12
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	82	97	60-125	17
1,1-Dichloroethane	mg/kg (ppm)	2.5	85	93	66-123	9
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	100	72-118	11
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	85	60-124	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	102	68-128	9
Trichloroethene	mg/kg (ppm)	2.5	88	92	71-122	4
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	69-125	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

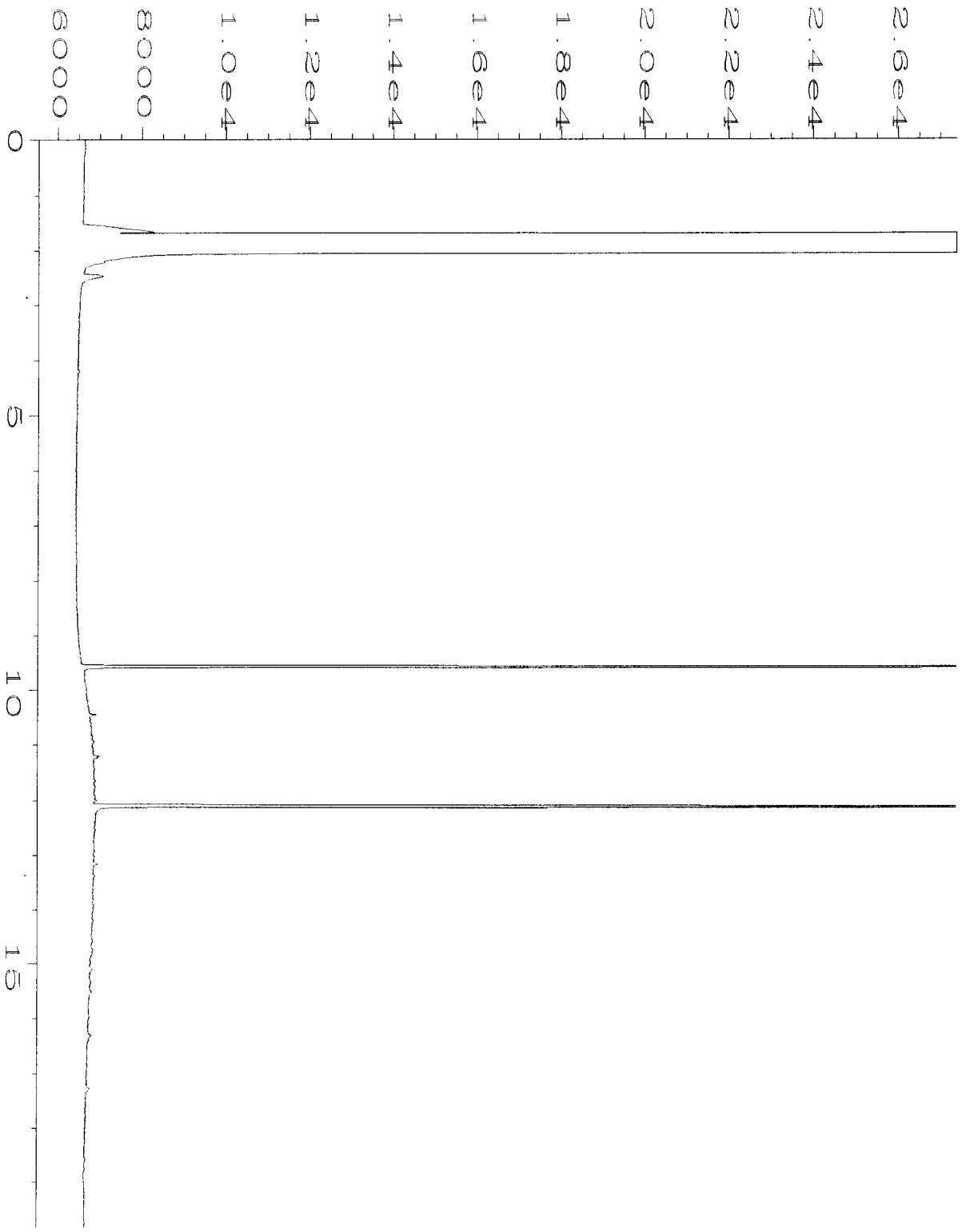
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

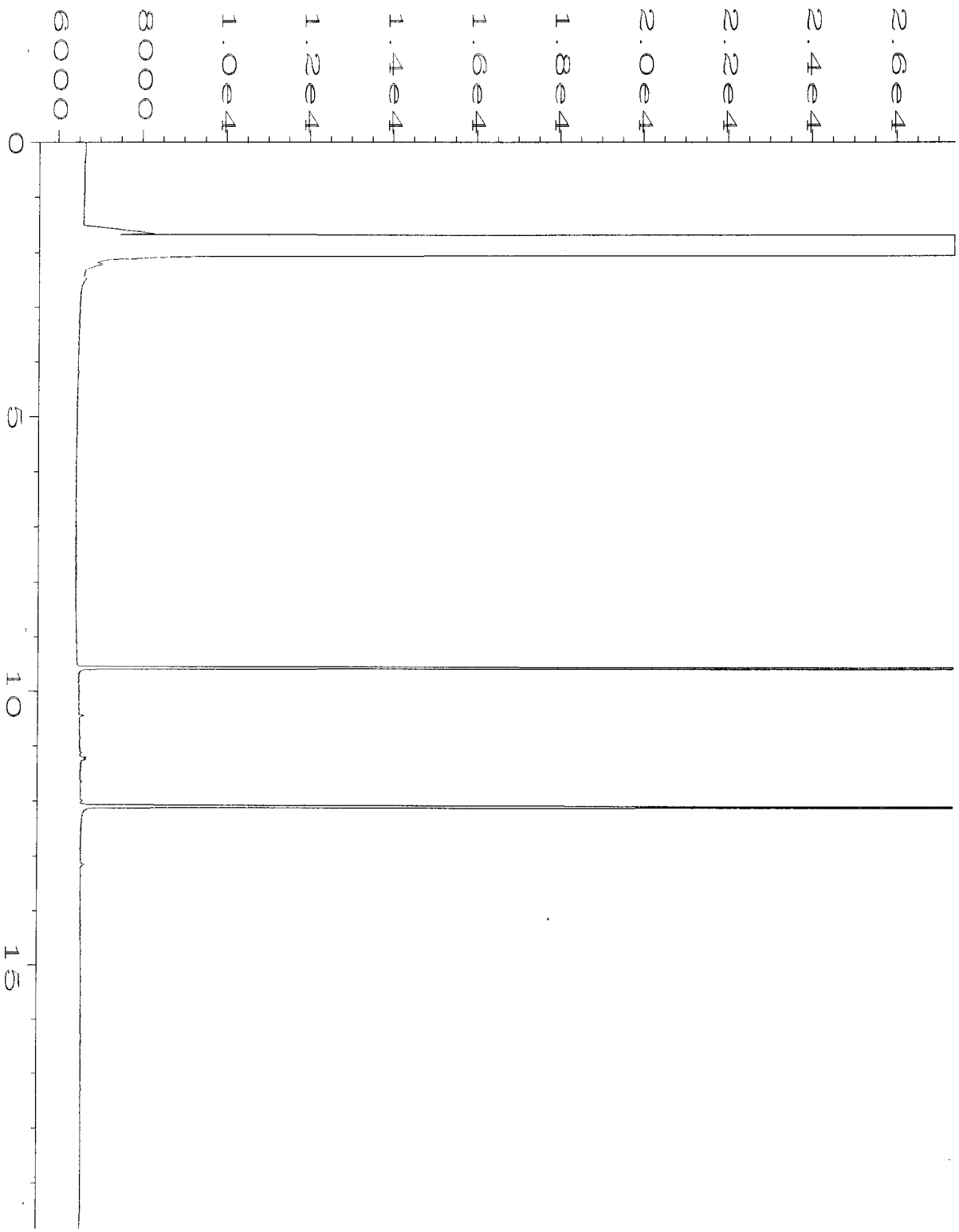
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name : C:\HPCHEM\1\DATA\04-22-11\021F0701.D
Operator : ML
Instrument : GC1
Sample Name : 104236-01
Run Time Bar Code:
Acquired on : 22 Apr 11 07:28 PM
Report Created on: 25 Apr 11 09:59 AM

Page Number : 1
Vial Number : 21
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\04-22-11\022F0701.D
Operator : ML
Instrument : GC1
Sample Name : 104236-04
Run Time Bar Code:
Acquired on : 22 Apr 11 07:55 PM
Report Created on: 25 Apr 11 09:59 AM

Page Number : 1
Vial Number : 22
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

104236

SAMPLE CHAIN OF CUSTODY

ME 04/19/11

VS2/D03

Page # 1 of 1

Send Report To Tim Brown, cc: Jessica Brown, Jennifer Cyr, Pete Kingston, Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal – ASKO Property

PO #: 0440-004-24

REMARKS

EIM Y

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260C	Notes
B191-05	B191	05	01 A-E	4/19/11	0904	Soil	5	⊗	⊗	⊗	⊗	⊗ pa PK 4/21/11
B191-07.5	B191	7.5	02		0908		5					HOLD MS
B191-10	B191	10	03		0912		5					
B191-12.5	B191	12.5	04		0915		5	⊗	⊗	⊗	⊗	
B191-15	B191	15	05		0919		5					
B191-17.5	B191	17.5	06		0925		5					
B191-20	B191	20	07		0928		5					
B191-22.5	B191	22.5	08		0937		5					

ETF 4/19/11

Samples received at 0 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Forbes	SES	4/19/11	1555
Received by:	Andrew Leaf	SES	4/19/11	1555
Relinquished by:	Andrew Leaf	SES	4/19/11	1612
Received by:	DO VO	F+BI	11	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 4, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on April 20, 2011 from the TOC_01-600_20110420 WORFDB5, F&BI 104255 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0504R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 20, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20110420 WORFDB5, F&BI 104255 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
104255-01	B193-02.5
104255-02	B193-05
104255-03	B193-07.5
104255-04	B193-10
104255-05	B193-12.5
104255-06	B193-15
104255-07	B193-17.5
104255-08	B193-20

All quality control requirements were acceptable.

Date of Report: 05/04/11
Date Received: 04/20/11
Project: TOC_01-600_20110420 WORFDB5, F&BI 104255
Date Extracted: 04/26/11
Date Analyzed: 04/26/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B193-02.5 104255-01	<0.02	<0.02	<0.02	<0.06	<2	80
B193-07.5 104255-03	<0.02	<0.02	<0.02	<0.06	<2	65
B193-12.5 104255-05	<0.02	<0.02	<0.02	<0.06	<2	55
Method Blank 01-0754 MB	<0.02	<0.02	<0.02	<0.06	<2	70

Date of Report: 05/04/11
Date Received: 04/20/11
Project: TOC_01-600_20110420 WORFDB5, F&BI 104255
Date Extracted: 04/22/11
Date Analyzed: 04/22/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
B193-02.5 104255-01	<50	<250	105
B193-07.5 104255-03	<50	<250	104
B193-12.5 104255-05	<50	<250	106
Method Blank 01-728 MB	<50	<250	113

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B193-02.5	Client:	SoundEarth Strategies
Date Received:	04/20/11	Project:	TOC_01-600_20110420 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104255-01
Date Analyzed:	04/26/11	Data File:	042533.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	101	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B193-07.5	Client:	SoundEarth Strategies
Date Received:	04/20/11	Project:	TOC_01-600_20110420 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104255-03
Date Analyzed:	04/26/11	Data File:	042534.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B193-12.5	Client:	SoundEarth Strategies
Date Received:	04/20/11	Project:	TOC_01-600_20110420 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104255-05
Date Analyzed:	04/26/11	Data File:	042535.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	102	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110420 WORFDB5
Date Extracted:	04/25/11	Lab ID:	01-654 mb
Date Analyzed:	04/25/11	Data File:	042507.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	108	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 05/04/11
Date Received: 04/20/11
Project: TOC_01-600_20110420 WORFDB5, F&BI 104255

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 104255-03 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	77	66-121
Toluene	mg/kg (ppm)	0.5	72	72-128
Ethylbenzene	mg/kg (ppm)	0.5	78	69-132
Xylenes	mg/kg (ppm)	1.5	75	69-131
Gasoline	mg/kg (ppm)	20	90	61-153

Date of Report: 05/04/11
Date Received: 04/20/11
Project: TOC_01-600_20110420 WORFDB5, F&BI 104255

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 104255-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	96	93	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	95	79-144

Date of Report: 05/04/11
Date Received: 04/20/11
Project: TOC_01-600_20110420 WORFDB5, F&BI 104255

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 104126-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	49	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	55	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	56	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	69	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	71	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	75	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	66	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	74	27-119
Trichloroethene	mg/kg (ppm)	2.5	0.24	66	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	29-117

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	69	76	29-135	10
Chloroethane	mg/kg (ppm)	2.5	68	73	10-281	7
1,1-Dichloroethene	mg/kg (ppm)	2.5	70	74	22-151	6
Methylene chloride	mg/kg (ppm)	2.5	75	85	42-144	12
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	82	97	60-125	17
1,1-Dichloroethane	mg/kg (ppm)	2.5	85	93	66-123	9
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	100	72-118	11
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	85	60-124	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	102	68-128	9
Trichloroethene	mg/kg (ppm)	2.5	88	92	71-122	4
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	69-125	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

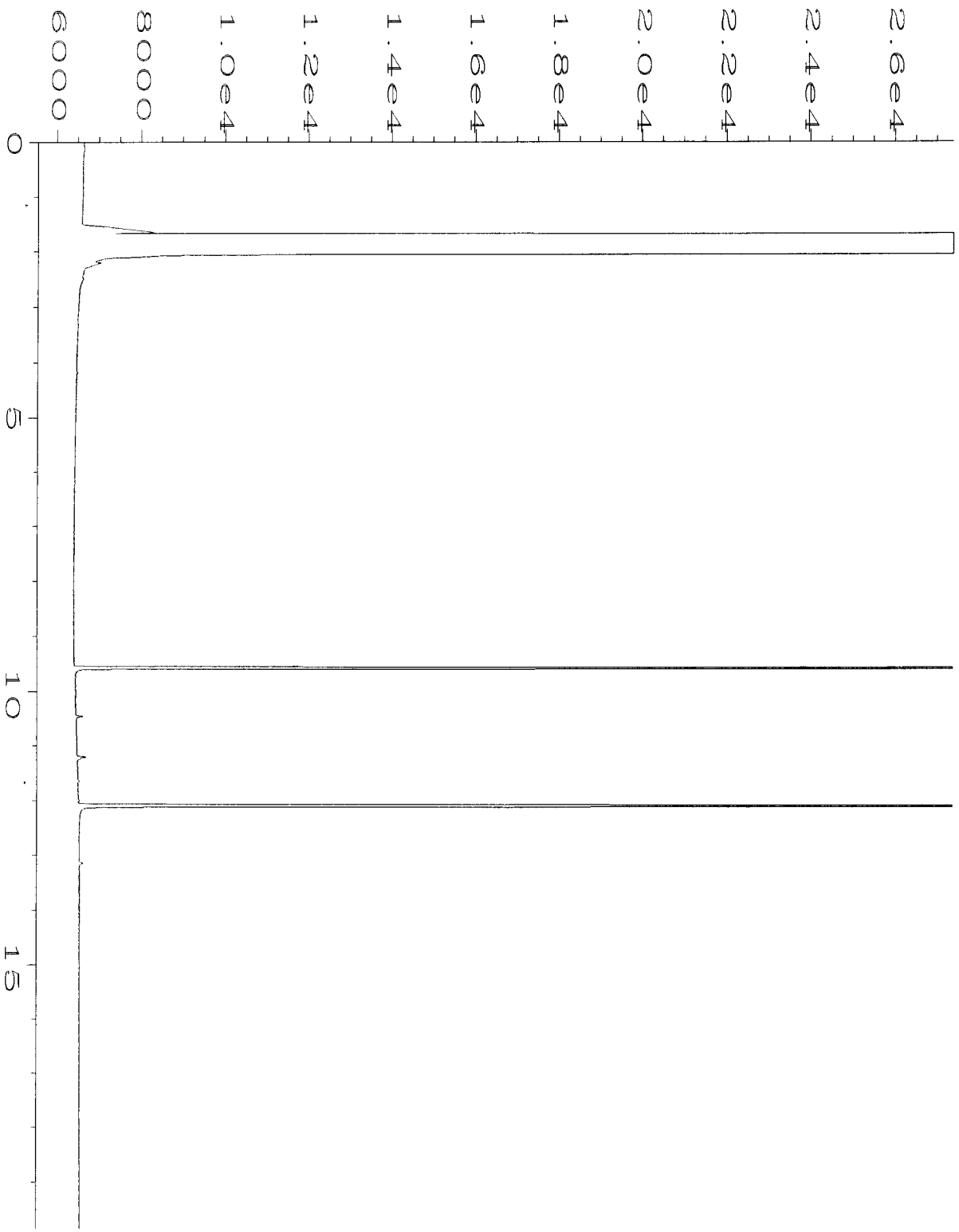
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

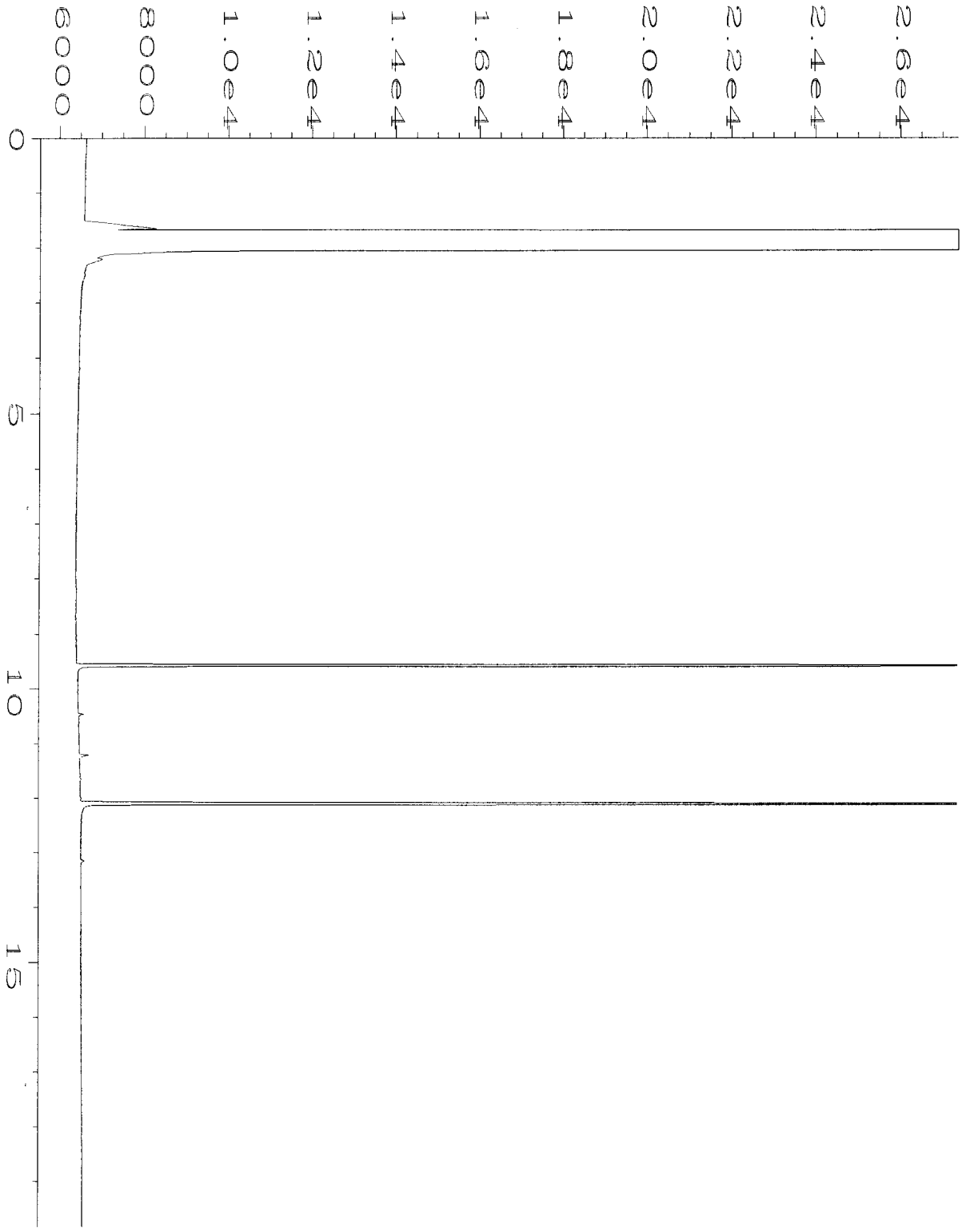
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\1\DATA\04-22-11\023F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 23
Sample Name	: 104255-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 22 Apr 11 08:22 PM	Instrument Method	: TPHD.MTH
Report Created on:	25 Apr 11 10:00 AM	Analysis Method	: TPHD.MTH



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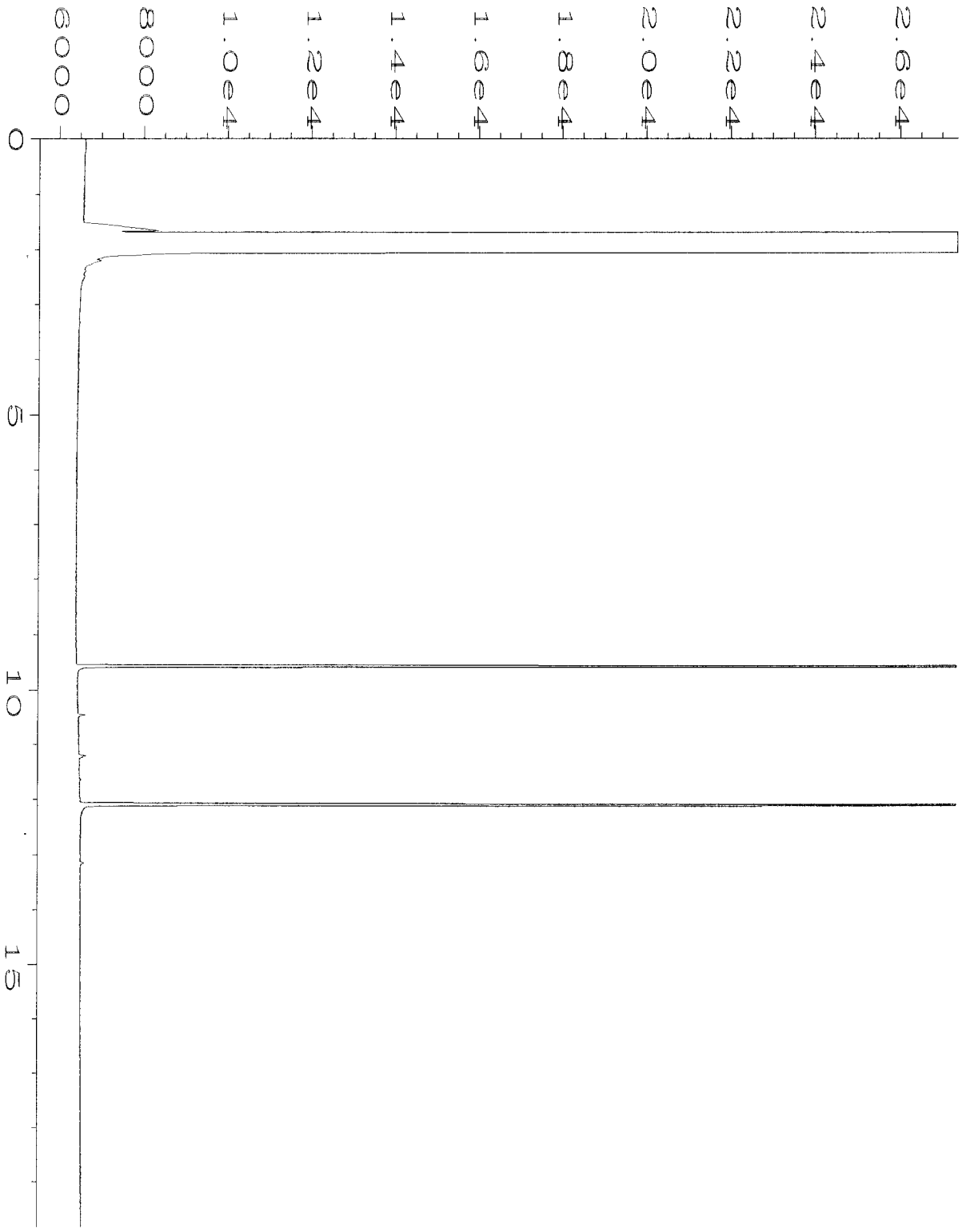
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 24
Sample Name	: 104255-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 22 Apr 11 08:49 PM	Instrument Method	: TPHD.MTH
Report Created on:	25 Apr 11 10:00 AM	Analysis Method	: TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\04-22-11\025F0701.D
Operator : ML
Instrument : GC1
Sample Name : 104255-05
Run Time Bar Code:
Acquired on : 22 Apr 11 09:16 PM
Report Created on: 25 Apr 11 10:00 AM

Page Number : 1
Vial Number : 25
Injection Number : 1
Sequence Line : 7
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH

104255

SAMPLE CHAIN OF CUSTODY

ME 04/20/11 D03/V53

Page # 1 of 1

Send Report To Tim Brown, cc: Pete Kingston, Jessica Brown, Jennifer Cyr & Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
TOC Holdings Co. Facility No. 01-600 Seattle Terminal	0440-004-24
REMARKS	EIM Y

TURNAROUND TIME

Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH/BTEX by NWTPH-Gx /8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by 8260C							Notes
B193-02.5	B193	02.5	01 A-E	4/20/11	0837	SOIL	5	X	X	X							@ per PK 4/21/11 MG
B193-05	B193	05	02		0840		5										~~HOLD~~
B193-07.5	B193	07.5	03		0845		5	X	X	X							
B193-10	B193	10	04		0850		5										
B193-12.5	B193	12.5	05		0857		5	X	X	X							
B193-15	B193	15	06		0903		5										
B193-17.5	B193	17.5	07		0909		5										
B193-20	B193	20	08		0918		5										
~~B193~~			~~DUP~~	4/20/11													

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Parkes	SES	4/20/11	1545
Received by:	Nhan Phan	FEBT	4/20/11	1545
Relinquished by:				
Received by:		Samples received at 3 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 6, 2011

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on April 21, 2011 from the TOC_01-600_20110421 WORFDB5, F&BI 104273 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Mark Chandler, Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0506R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 21, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20110421 WORFDB5, F&BI 104273 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
104273-01	B197-02.5
104273-02	B197-05
104273-03	B197-07.5
104273-04	B197-10
104273-05	B197-12.5
104273-06	B197-15
104273-07	B197-17.5
104273-08	B197-20
104273-09	B197-22.5

All quality control requirements were acceptable.

Date of Report: 05/06/11
Date Received: 04/21/11
Project: TOC_01-600_20110421 WORFDB5, F&BI 104273
Date Extracted: 04/27/11
Date Analyzed: 04/27/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B197-02.5 104273-01	<0.02	<0.02	<0.02	<0.06	<2	120
B197-07.5 104273-03	<0.02	<0.02	<0.02	<0.06	<2	120
B197-12.5 104273-05	<0.02	<0.02	<0.02	<0.06	<2	120
Method Blank 01-762 MB	<0.02	<0.02	<0.02	<0.06	<2	120

Date of Report: 05/06/11
Date Received: 04/21/11
Project: TOC_01-600_20110421 WORFDB5, F&BI 104273
Date Extracted: 04/22/11
Date Analyzed: 04/23/11 and 04/24/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B197-02.5 104273-01	<50	<250	117
B197-07.5 104273-03	<50	<250	113
B197-12.5 104273-05	<50	<250	109
Method Blank 01-733 MB	<50	<250	106

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B197-02.5	Client:	SoundEarth Strategies
Date Received:	04/21/11	Project:	TOC_01-600_20110421 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104273-01
Date Analyzed:	04/26/11	Data File:	042536.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	42	158
Toluene-d8	96	42	159
4-Bromofluorobenzene	98	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B197-07.5	Client:	SoundEarth Strategies
Date Received:	04/21/11	Project:	TOC_01-600_20110421 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104273-03
Date Analyzed:	04/26/11	Data File:	042537.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	98	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B197-12.5	Client:	SoundEarth Strategies
Date Received:	04/21/11	Project:	TOC_01-600_20110421 WORFDB5
Date Extracted:	04/25/11	Lab ID:	104273-05
Date Analyzed:	04/26/11	Data File:	042538.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	101	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20110421 WORFDB5
Date Extracted:	04/25/11	Lab ID:	01-654 mb
Date Analyzed:	04/25/11	Data File:	042507.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	108	36	160

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 05/06/11
Date Received: 04/21/11
Project: TOC_01-600_20110421 WORFDB5, F&BI 104273

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 104273-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	97	69-120
Toluene	mg/kg (ppm)	0.5	87	70-117
Ethylbenzene	mg/kg (ppm)	0.5	93	65-123
Xylenes	mg/kg (ppm)	1.5	88	66-120
Gasoline	mg/kg (ppm)	20	100	71-131

Date of Report: 05/06/11
Date Received: 04/21/11
Project: TOC_01-600_20110421 WORFDB5, F&BI 104273

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 104275-07 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	91	90	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	91	58-147

Date of Report: 05/06/11
Date Received: 04/21/11
Project: TOC_01-600_20110421 WORFDB5, F&BI 104273

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 104126-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	49	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	55	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	56	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	69	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	71	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	75	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	66	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	74	27-119
Trichloroethene	mg/kg (ppm)	2.5	0.24	66	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	29-117

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	69	76	29-135	10
Chloroethane	mg/kg (ppm)	2.5	68	73	10-281	7
1,1-Dichloroethene	mg/kg (ppm)	2.5	70	74	22-151	6
Methylene chloride	mg/kg (ppm)	2.5	75	85	42-144	12
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	82	97	60-125	17
1,1-Dichloroethane	mg/kg (ppm)	2.5	85	93	66-123	9
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	100	72-118	11
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	81	85	60-124	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	102	68-128	9
Trichloroethene	mg/kg (ppm)	2.5	88	92	71-122	4
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	69-125	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

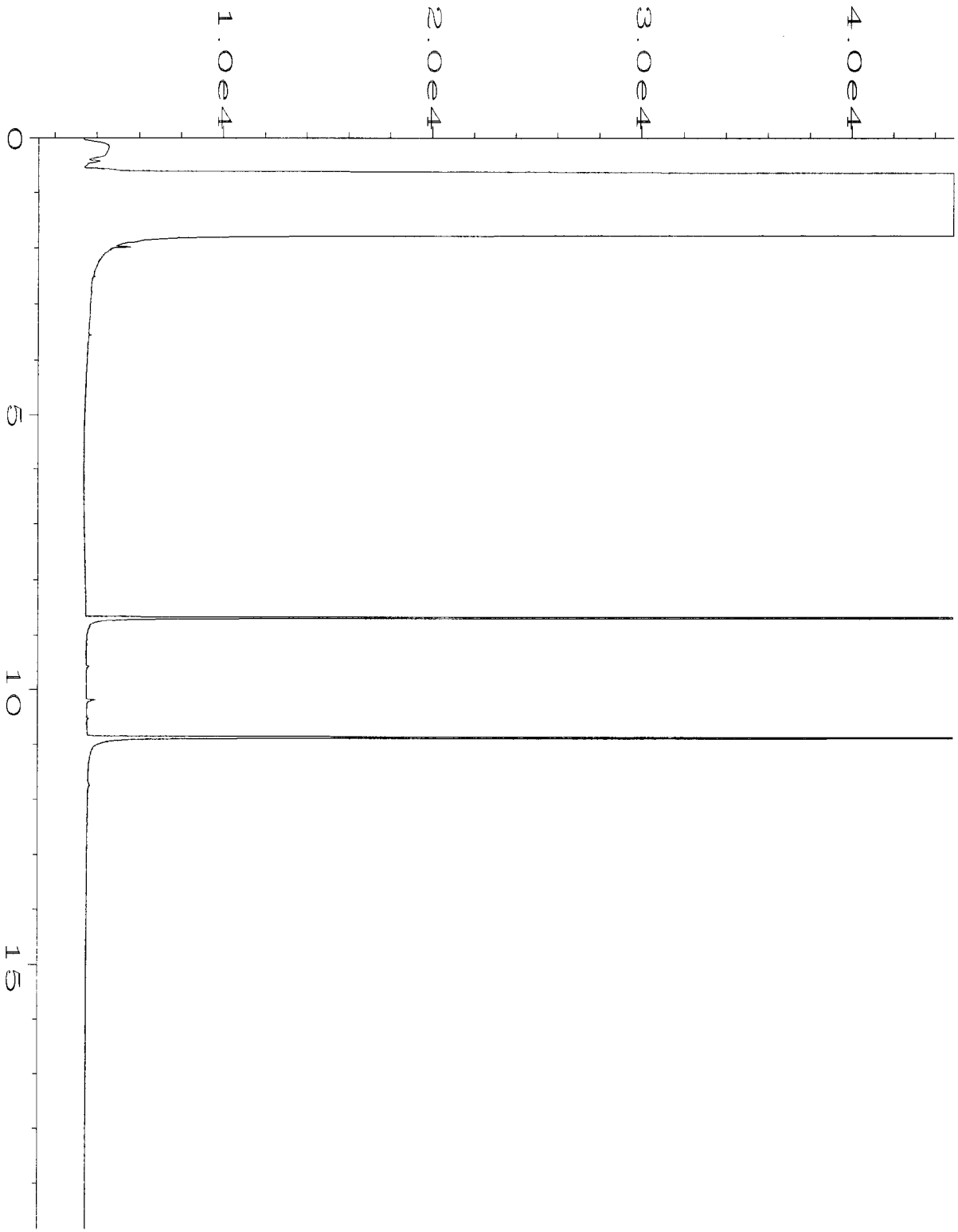
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

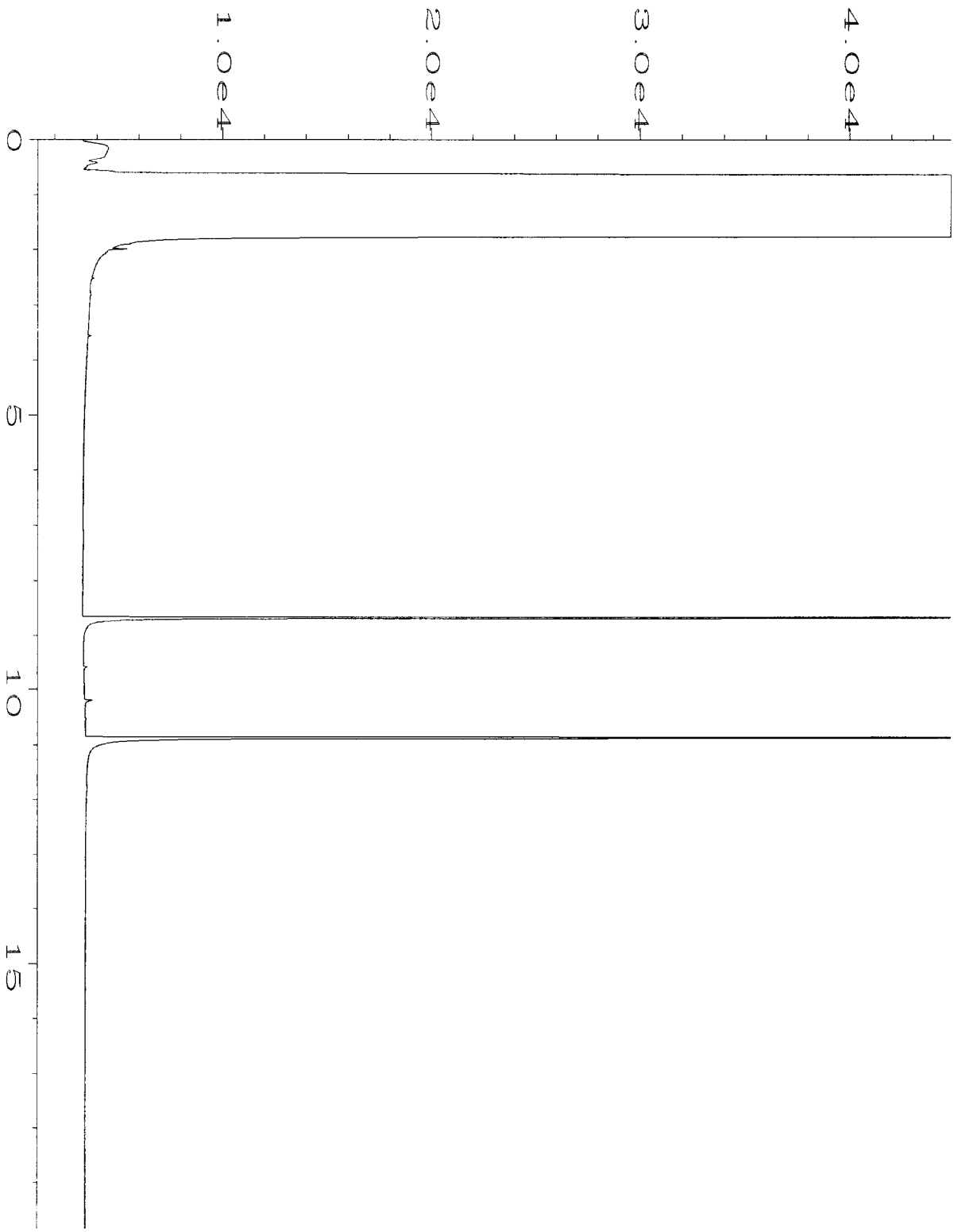
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

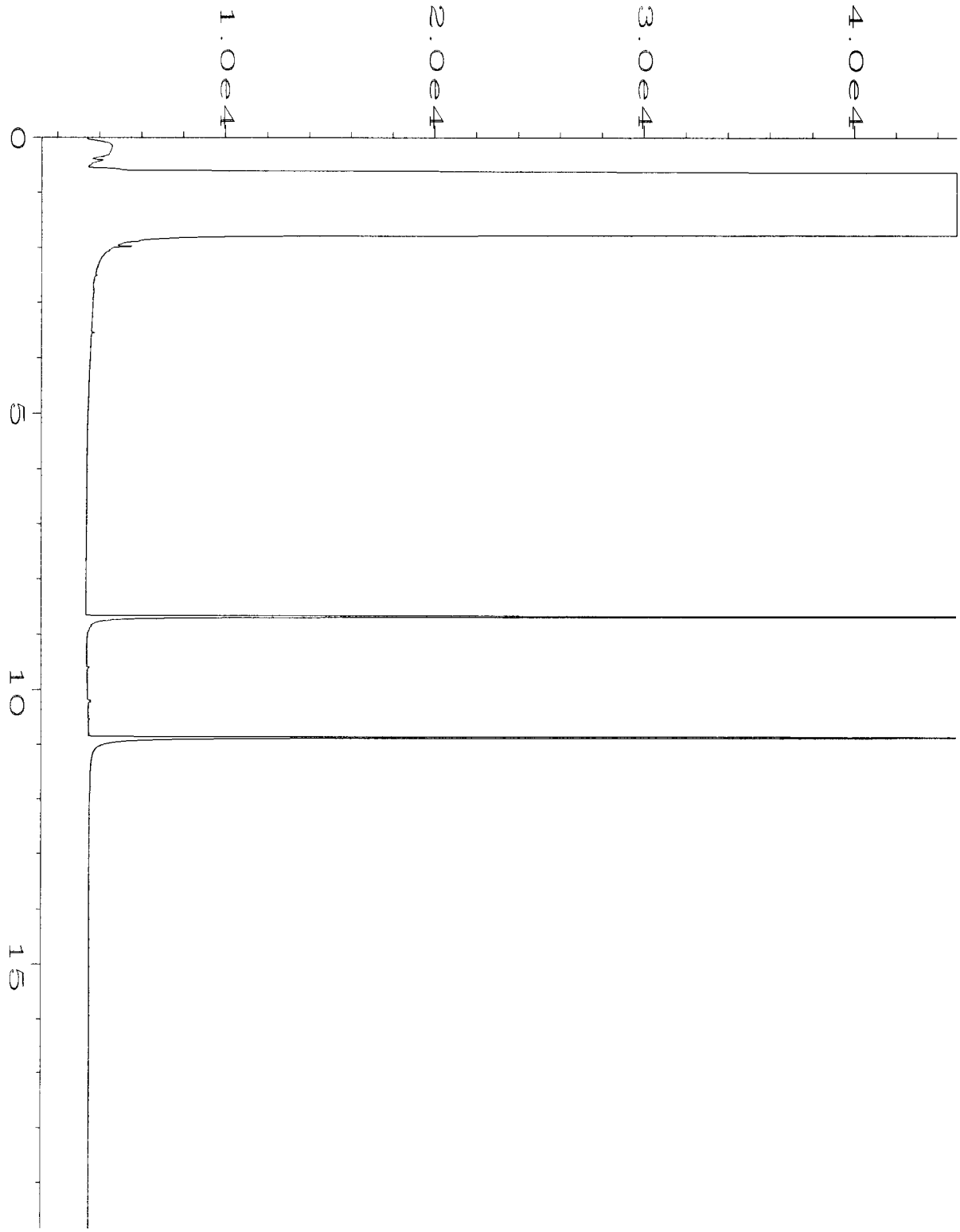


Data File Name	: C:\HPCHEM\6\DATA\04-23-11\007F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 7
Sample Name	: 104273-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Apr 11 11:42 PM	Instrument Method	: TPHD.MTH
Report Created on	: 25 Apr 11 09:09 AM	Analysis Method	: END.MTH



Data File Name : C:\HPCHEM\6\DATA\04-23-11\008F0301.D
Operator : ML
Instrument : GC #6
Sample Name : 104273-03
Run Time Bar Code:
Acquired on : 24 Apr 11 00:07 AM
Report Created on: 25 Apr 11 09:09 AM

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 3
Instrument Method: TPHD.MTH
Analysis Method : END.MTH



Data File Name	: C:\HPCHEM\6\DATA\04-23-11\009F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 9
Sample Name	: 104273-05	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 24 Apr 11 00:33 AM	Instrument Method	: TPHD.MTH
Report Created on	: 25 Apr 11 09:09 AM	Analysis Method	: END.MTH

104273

SAMPLE CHAIN OF CUSTODY

ME 04/21/11

VS2/DO2

Page # 1 of 1

Send Report To Tim Brown, cc: Jessica Brown, Jennifer Cyr, Pete Kingston, Audrey Hackett

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO.: TOC Holdings Co. Facility No. 01-600 Seattle Terminal – ASKO Property

PO #: 0440-004-24

REMARKS: ⊗ = Run sample for RGK on 4/22/11

EIM Y

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs by EPA 8260C						Notes
B197-02.5	B197	02.5	01 A-E	4/21/11	1320	Soil	5	⊗	⊗	⊗	⊗						HOLD
B197-05	B197	05	02		1322		5										
B197-07.5	B197	07.5	03		1326		5	⊗	⊗	⊗	⊗						
B197-10	B197	10	04		1328		5										
B197-12.5	B197	12.5	05		1332		5	⊗	⊗	⊗	⊗						
B197-15	B197	15	06		1336		5										
B197-17.5	B197	17.5	07		1340		5										
B197-20	B197	20	08		1342		5										
B197-22.5	B197	22.5	09	↓	1350	↓	5										

EBF 4/21/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Firth	SES	4/21/11	1645
Received by:	Nhan Phan	FedEx	4/4/11	1615
Relinquished by:				
Received by:				

Samples received at 3 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 16, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120813 WORFDB6, F&BI 208214 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0816R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120813 WORFDB6, F&BI 208214 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208214-01	B258-0.5
208214-02	B258-2.5
208214-03	B258-5
208214-04	B258-7.5
208214-05	B258-10
208214-06	B258-12.5
208214-07	B258-15
208214-08	B258-17.5

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B258-2.5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120813 WORFDB6
Date Extracted:	08/16/12	Lab ID:	208214-02
Date Analyzed:	08/16/12	Data File:	081605.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.18
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B258-5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120813 WORFDB6
Date Extracted:	08/16/12	Lab ID:	208214-03
Date Analyzed:	08/16/12	Data File:	081606.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.39
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120813 WORFDB6
Date Extracted:	08/16/12	Lab ID:	02-1385 mb
Date Analyzed:	08/16/12	Data File:	081604.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 08/16/12
Date Received: 08/16/12
Project: TOC_01-600_20120813 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208214-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	44	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	52	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	60	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	68	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	67	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	71	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	75	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	73	35-102
Trichloroethene	mg/kg (ppm)	2.5	0.18	67	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	38-102

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	77	77	51-102	0
Chloroethane	mg/kg (ppm)	2.5	79	79	53-113	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	89	90	67-116	1
Methylene chloride	mg/kg (ppm)	2.5	88	89	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	97	70-116	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	95	79-109	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	100	76-113	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	95	97	79-114	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	97	100	73-119	3
Trichloroethene	mg/kg (ppm)	2.5	99	100	70-113	1
Tetrachloroethene	mg/kg (ppm)	2.5	98	97	73-117	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208214

SAMPLE CHAIN OF CUSTODY

ME 08-16-12 CB CI3/VS2

Send Report To Tim Brown, Pete Kaighton

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature) Tim Brown

PROJECT NAME/NO. BNSF SI/0440-004-26

PO # 01-600

REMARKS 1 hr Rush X

GEMS (Y) / N

Page # 1 of 1

TURNAROUND TIME
- Standard (2 Weeks)
- X RUSH 1 hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- Dispose after 30 days
- Return samples
- Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B25B-0.5	B25B	0.5	CI A-E	08/16/12	0755	S	5									
B25B-2.5		2-5	02		0805						X					
B25B-5		5	03		0806						X					
B25B-7.5		7.5	04		0815											
B25B-10		10.	05		0823											
B25B-12.5		12.5	06		0829											
B25B-15		15	07		0839											
B25B-17.5		17.5	08		0845											
			TSK	08/16/12												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Tim Brown	SoundEarth	08/16/12	09:25
Received by:	ERIC YOUNG	F&B	8/16/12	09:25
Relinquished by:				
Received by:		Samples received at 5C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

September 11, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120816 WORFDB6, F&BI 208214 project. There are 6 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0911R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120816 WORFDB6, F&BI 208214 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208214-01	B258-0.5
208214-02	B258-2.5
208214-03	B258-5
208214-04	B258-7.5
208214-05	B258-10
208214-06	B258-12.5
208214-07	B258-15
208214-08	B258-17.5

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B258-12.5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816 WORFDB6
Date Extracted:	08/30/12	Lab ID:	208214-06
Date Analyzed:	08/30/12	Data File:	083009.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120816 WORFDB6
Date Extracted:	08/30/12	Lab ID:	02-1543 mb
Date Analyzed:	08/30/12	Data File:	083008.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 09/11/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208141-04 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: 208214-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	43	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	51	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	57	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	59	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	65	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	72	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	73	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	73	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	71	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	76	38-102

Date of Report: 09/11/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	66	79	51-102	18
Chloroethane	mg/kg (ppm)	2.5	75	85	53-113	12
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	90	67-116	6
Methylene chloride	mg/kg (ppm)	2.5	87	88	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	95	96	70-116	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	99	79-109	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	98	98	76-113	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	98	101	79-114	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	104	73-119	2
Trichloroethene	mg/kg (ppm)	2.5	93	95	70-113	2
Tetrachloroethene	mg/kg (ppm)	2.5	97	98	73-117	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208214

SAMPLE CHAIN OF CUSTODY ME 08-16-12 CD CI3/VS2

Send Report To: Tim Brown, Dick Vaydon

Company: SoundEarth Strategies, Inc.

Address: 2811 Fairview Ave East, Suite 2000

City, State, ZIP: Seattle, WA 98102

Phone #: 206-306-1900 Fax #: 206-306-1907

SAMPLERS (signature): Tim Brown

PROJECT NAME/NO.: BWSF SI/0440-004-26

PO #: 01-600

REMARKS: 1 hr Rush X

GEMS (Y) N

Page # 1 of 1

TURNAROUND TIME
- Standard (2 Weeks)
- RUSH 1 hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- Dispose after 30 days
- Return samples
- Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOCs by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B25B-0.5	B25B	0.5	C1A-E	08/14/12	0735	S	5									⊗ - per PK 8/30/12 MS
B25B-2.5 02.5		2-5	02		0800			⊗	⊗	⊗	X					
B25B-5 05		5	03		0806			⊗	⊗	⊗	X					☆ per PK 8/30/12 MS
B25B-7.5 07.5		7.5	04		0815											
B25B-10		10.	05		0823			⊗	⊗	⊗	⊗					
B25B-12.5		12.5	06		0829						☆					
B25B-15		15	07		0839											
B25B-17.5		17.5	08		0845											
per TC 8/30/12 MS			TSS	08/14/12												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Tim Brown	SoundEarth	08/14/12	09:25
Received by:	ERIC YOUNG	F&B	8/14/12	09:25
Relinquished by:				
Received by:		Samples received at 5°		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 23, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120816 WORFDB6, F&BI 208214 project. There are 9 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0823R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120816 WORFDB6, F&BI 208214 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208214-01	B258-0.5
208214-02	B258-2.5
208214-03	B258-5
208214-04	B258-7.5
208214-05	B258-10
208214-06	B258-12.5
208214-07	B258-15
208214-08	B258-17.5

All quality control requirements were acceptable.

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B258-2.5 208214-02	<0.02	<0.02	<0.02	<0.06	<2	87
B258-5 208214-03	<0.02	<0.02	<0.02	<0.06	<2	87
B258-10 208214-05	<0.02	<0.02	<0.02	<0.06	<2	87
Method Blank 02-1479 MB	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B258-2.5 208214-02	<50	<250	91
B258-5 208214-03	<50	<250	105
B258-10 208214-05	<50	<250	105
Method Blank 02-1478 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B258-10	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816, F&BI 208214
Date Extracted:	08/21/12	Lab ID:	208214-05
Date Analyzed:	08/21/12	Data File:	082120.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.050
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120816, F&BI 208214
Date Extracted:	08/21/12	Lab ID:	02-1449 mb2
Date Analyzed:	08/21/12	Data File:	082105.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208214-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	86	70-117
Ethylbenzene	mg/kg (ppm)	0.5	86	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208240-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	91	104	64-133	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	58-147

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208254-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	34	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	41	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	47	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	57	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	59	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	69	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	67	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	65	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	63	38-102

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	67	65	51-102	3
Chloroethane	mg/kg (ppm)	2.5	72	72	53-113	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	77	67-116	3
Methylene chloride	mg/kg (ppm)	2.5	73	72	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	83	84	70-116	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	90	92	79-109	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	94	76-113	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	102	79-114	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	100	100	73-119	0
Trichloroethene	mg/kg (ppm)	2.5	95	96	70-113	1
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	73-117	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

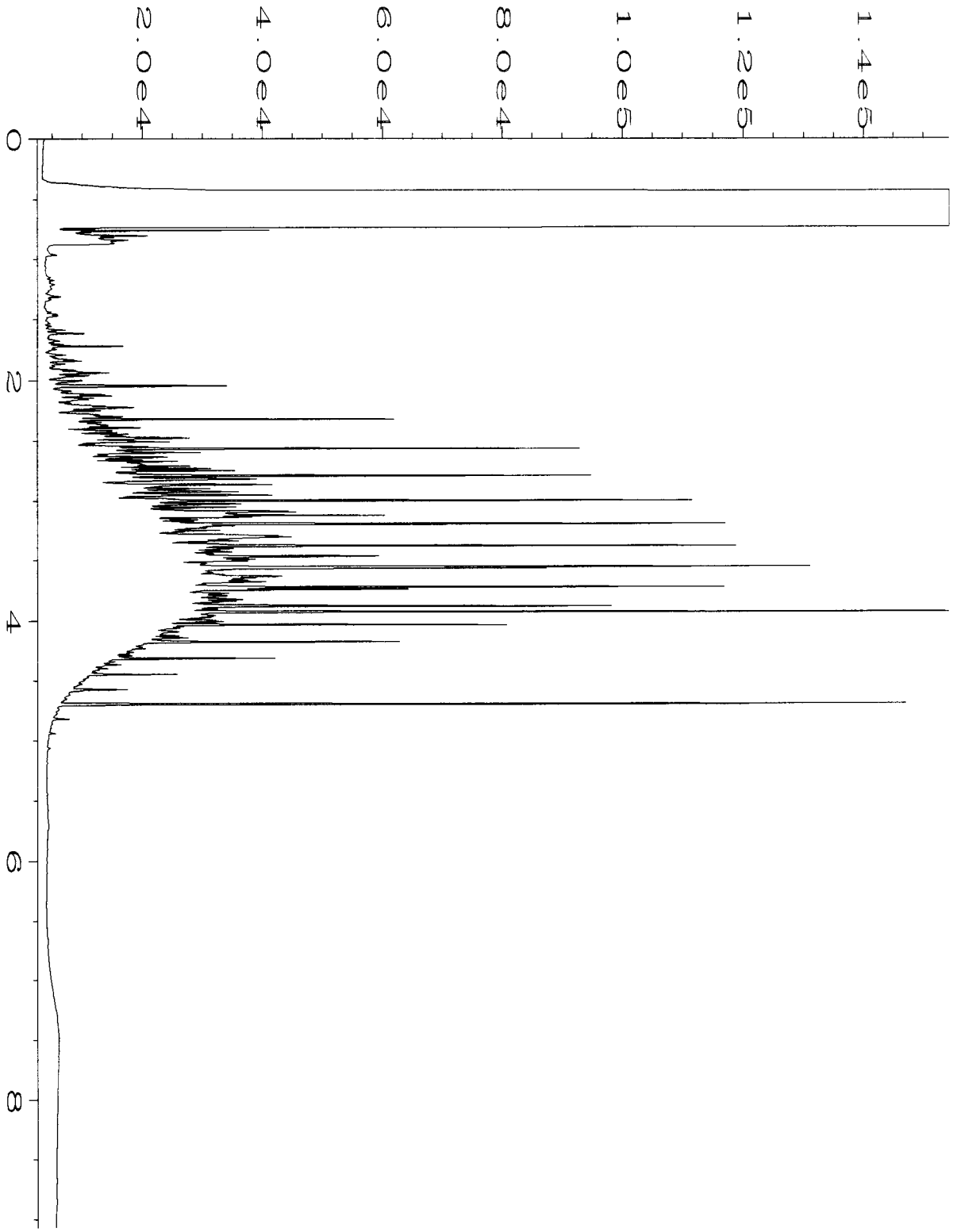
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

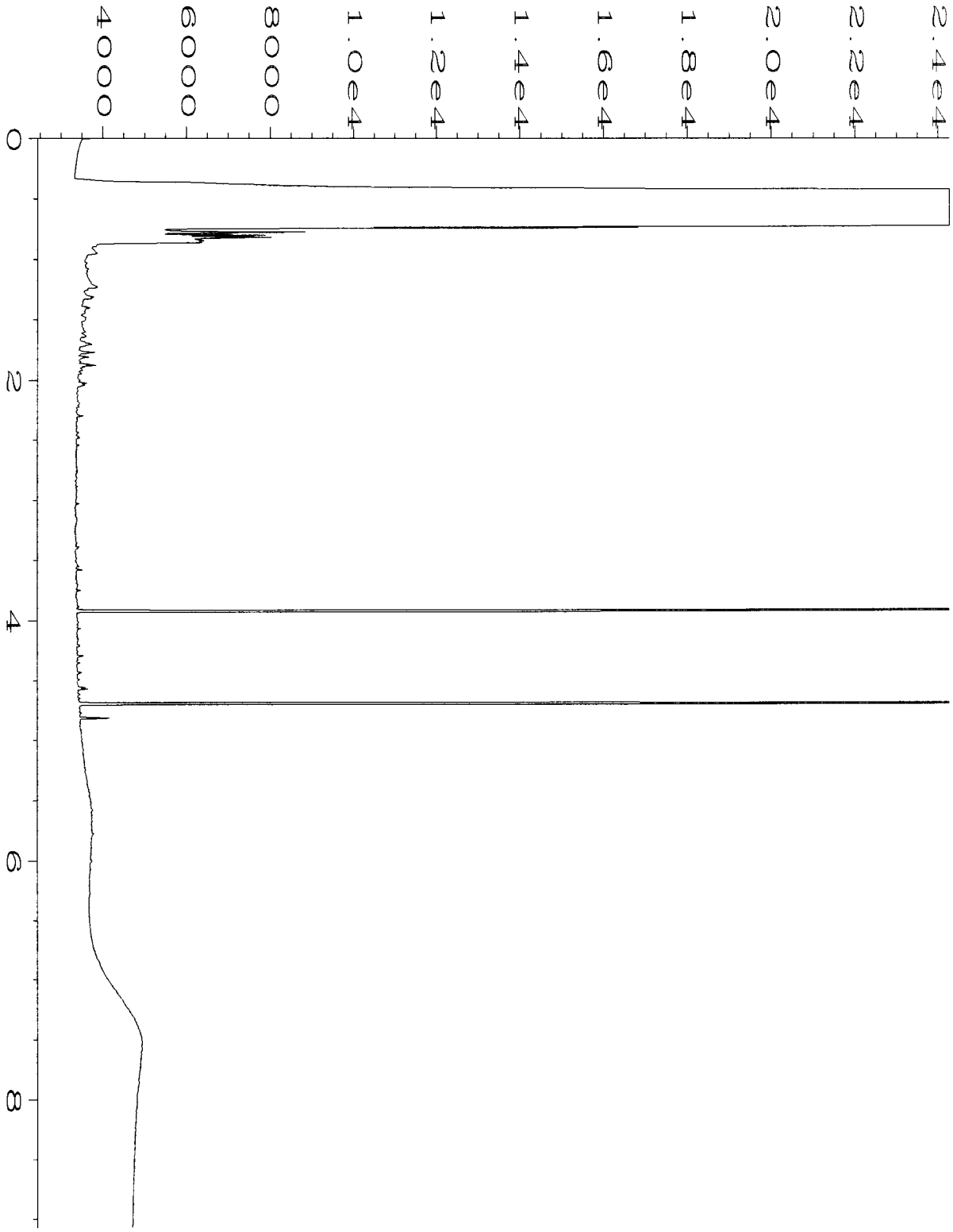
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



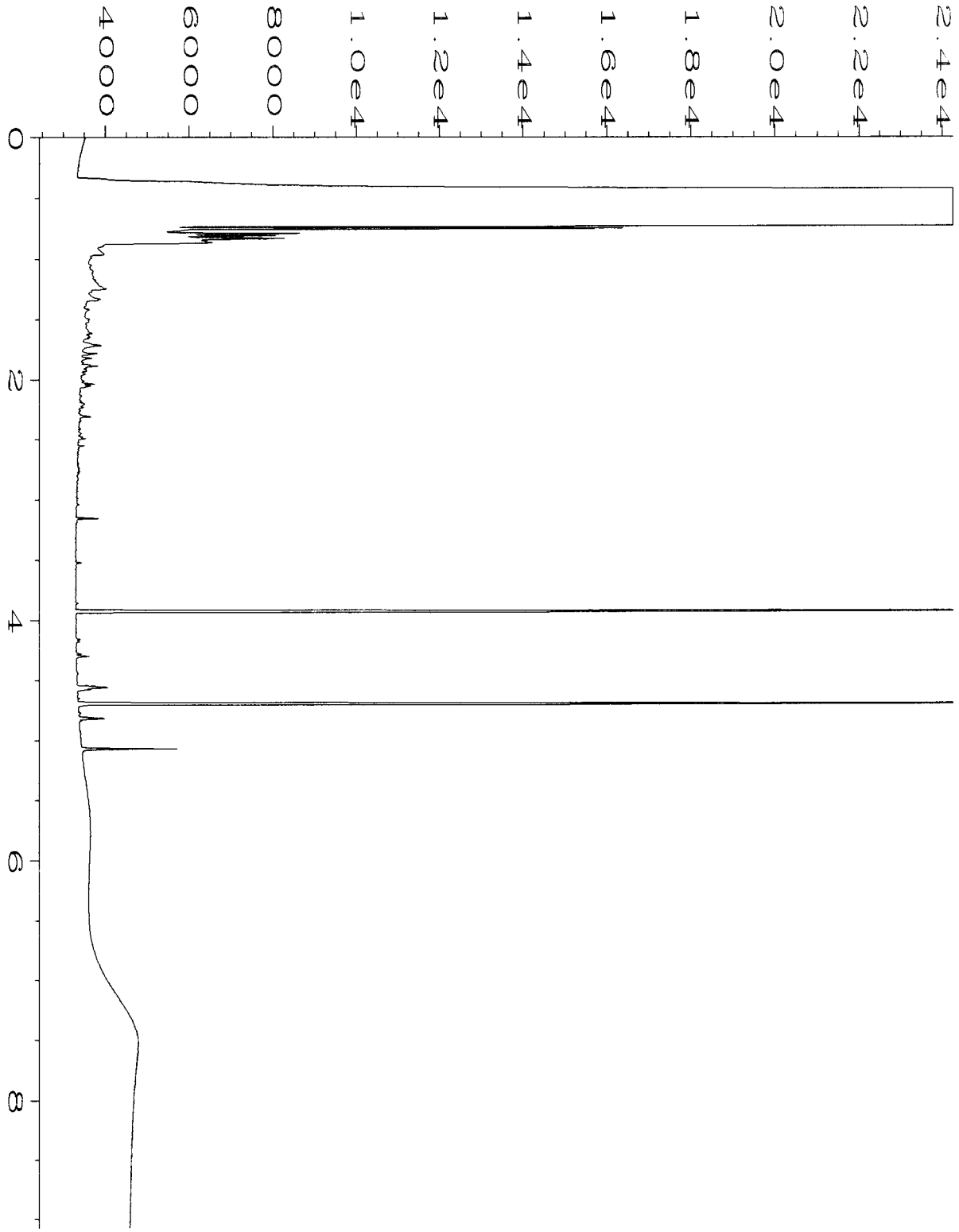
Data File Name : C:\HPCHEM\6\DATA\08-21-12\003F0201.D
Operator : ML
Instrument : GC #6
Sample Name : 500 Dx 38-103C
Run Time Bar Code:
Acquired on : 21 Aug 12 08:35 AM
Report Created on: 22 Aug 12 10:01 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH



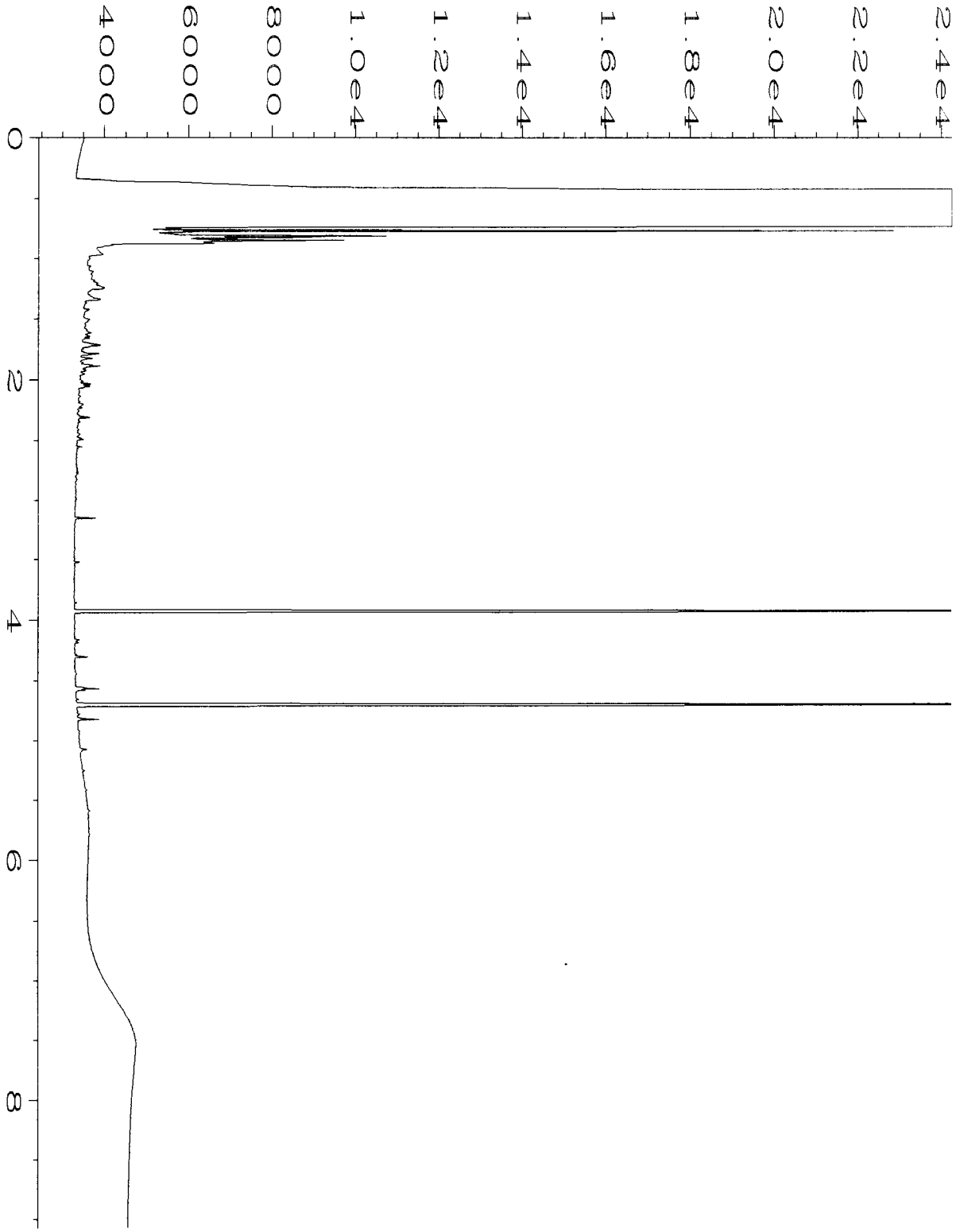
Data File Name : C:\HPCHEM\6\DATA\08-21-12\027F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 02-1478 mb
Run Time Bar Code:
Acquired on : 21 Aug 12 04:17 PM
Report Created on: 22 Aug 12 10:01 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



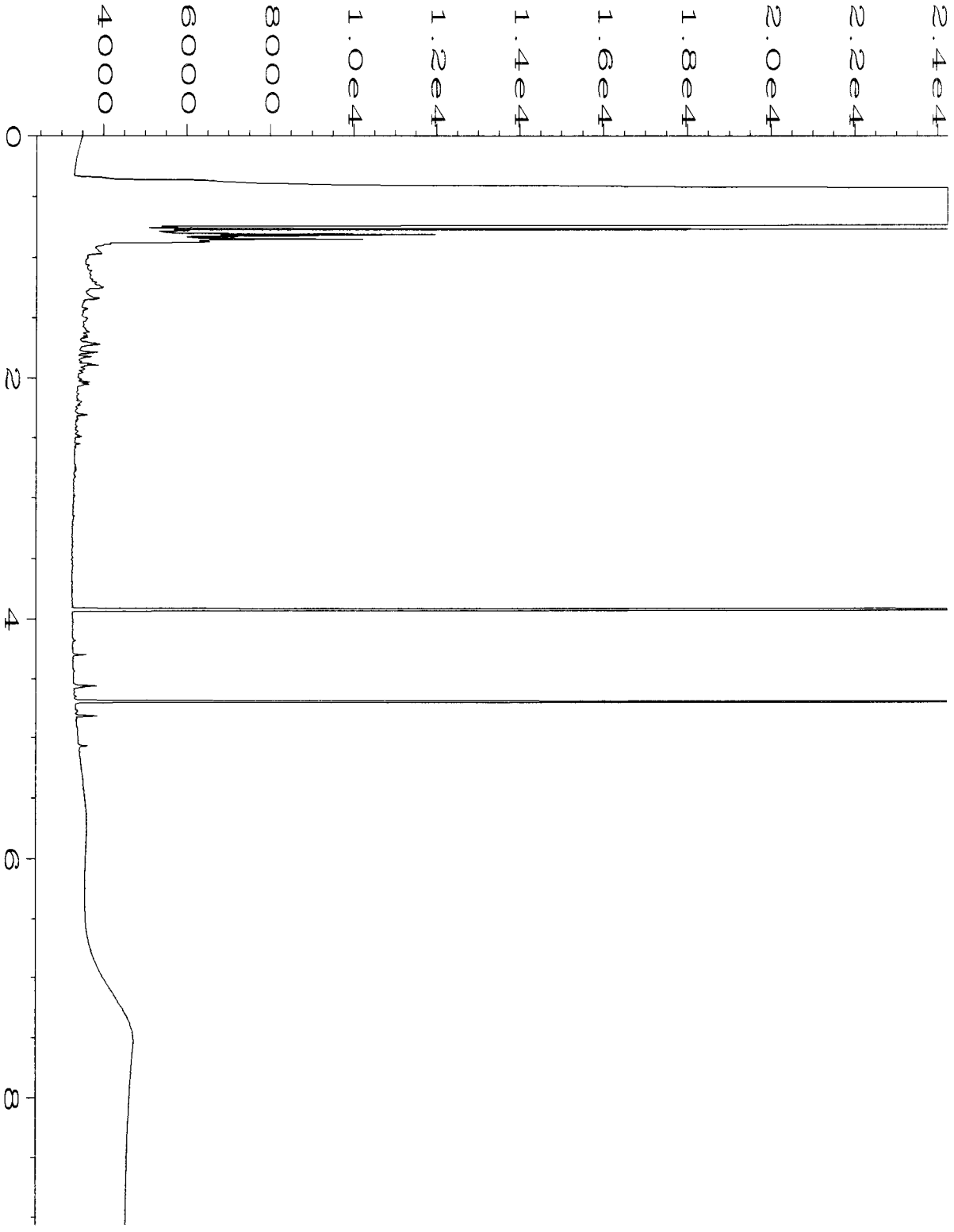
Data File Name : C:\HPCHEM\6\DATA\08-21-12\032F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208214-02
Run Time Bar Code:
Acquired on : 21 Aug 12 05:23 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 32
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\033F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208214-03
Run Time Bar Code:
Acquired on : 21 Aug 12 05:37 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 33
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\034F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208214-05
Run Time Bar Code:
Acquired on : 21 Aug 12 05:51 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 34
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

208214

SAMPLE CHAIN OF CUSTODY

ME 08-16-12 CB CI3/VS2

Send Report To: Tim Brown, Dale Kington

Company: SoundEarth Strategies, Inc.

Address: 2811 Fairview Ave East, Suite 2000

City, State, ZIP: Seattle, WA 98102

Phone #: 206-306-1900 Fax #: 206-306-1907

SAMPLERS (signature): Tim Brown

PROJECT NAME/NO.: BNSF SI/0440-004-26

PO #: 01-600

REMARKS: 1 hr Rush X

GEMS (Y) N

Page # 1 of 1

TURNAROUND TIME
- Standard (2 Weeks)
- RUSH 1 hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- Dispose after 30 days
- Return samples
- Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B25B-0.5	B25B	0.5	01 A-E	08/16/12	0755	S	5									X - per PK 08/21 @
B25B-2.5		2.5	02		0805			X	X	X	X					
B25B-5		5	03		0806			X	X	X	X					
B25B-7.5		7.5	04		0815											
B25B-10		10	05		0823			X	X	X	X					
B25B-12.5		12.5	06		0829											
B25B-15		15	07		0839											
B25B-17.5		17.5	08		0845											

TSK 08/16/12

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Tim Brown	SoundEarth	08/16/12	09:25
Received by:	ERIC YOUNG	F&B	8/16/12	09:25
Relinquished by:				
Received by:		Samples received at 5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 30, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included is the amended report from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120816 WORFDB6, F&BI 208214 project. Per your request, the sample ID's have been corrected.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0823R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 23, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120816 WORFDB6, F&BI 208214 project. There are 9 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0823R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120816 WORFDB6, F&BI 208214 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208214-01	B258-0.5
208214-02	B258-02.5
208214-03	B258-05
208214-04	B258-07.5
208214-05	B258-10
208214-06	B258-12.5
208214-07	B258-15
208214-08	B258-17.5

All quality control requirements were acceptable.

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B2580-2.5 208214-02	<0.02	<0.02	<0.02	<0.06	<2	87
B258-05 208214-03	<0.02	<0.02	<0.02	<0.06	<2	87
B258-10 208214-05	<0.02	<0.02	<0.02	<0.06	<2	87
Method Blank 02-1479 MB	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B258-02.5 208214-02	<50	<250	91
B258-05 208214-03	<50	<250	105
B258-10 208214-05	<50	<250	105
Method Blank 02-1478 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B258-10	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816, F&BI 208214
Date Extracted:	08/21/12	Lab ID:	208214-05
Date Analyzed:	08/21/12	Data File:	082120.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.050
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120816, F&BI 208214
Date Extracted:	08/21/12	Lab ID:	02-1449 mb2
Date Analyzed:	08/21/12	Data File:	082105.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208214-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	86	70-117
Ethylbenzene	mg/kg (ppm)	0.5	86	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208240-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	91	104	64-133	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	58-147

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208214

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208254-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	34	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	41	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	47	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	57	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	59	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	69	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	67	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	65	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	63	38-102

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	67	65	51-102	3
Chloroethane	mg/kg (ppm)	2.5	72	72	53-113	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	77	67-116	3
Methylene chloride	mg/kg (ppm)	2.5	73	72	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	83	84	70-116	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	90	92	79-109	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	94	76-113	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	102	79-114	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	100	100	73-119	0
Trichloroethene	mg/kg (ppm)	2.5	95	96	70-113	1
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	73-117	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208214

SAMPLE CHAIN OF CUSTODY ME 08-16-12 CD CI3/VS2

Send Report To: Tim Brown, Dick Vaydon

Company: SoundEarth Strategies, Inc.

Address: 2811 Fairview Ave East, Suite 2000

City, State, ZIP: Seattle, WA 98102

Phone #: 206-306-1900 Fax #: 206-306-1907

SAMPLERS (signature): Tim Brown

PROJECT NAME/NO.: BWSF SI/0440-004-26

PO #: 01-600

REMARKS: 1 hr Rush X

GEMS (Y) N

Page # 1 of 1

TURNAROUND TIME
- Standard (2 Weeks)
- RUSH 1 hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- Dispose after 30 days
- Return samples
- Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOCs by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B25B-0.5	B25B	0.5	C1A-E	08/14/12	0735	S	5									⊗ - per PK 8/30/12 MS
B25B-2.5 02.5		2-5	02		0800			⊗	⊗	⊗	X					
B25B-5 05		5	03		0806			⊗	⊗	⊗	X					☆ per PK 8/30/12 MS
B25B-7.5 07.5		7.5	04		0815											
B25B-10		10.	05		0823			⊗	⊗	⊗	⊗					
B25B-12.5		12.5	06		0829						☆					
B25B-15		15	07		0839											
B25B-17.5		17.5	08		0845											
per TC 8/30/12 MS			TSS	08/14/12												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Tim Brown	SoundEarth	08/14/12	09:25
Received by:	ERIC YOUNG	F&B	8/14/12	09:25
Relinquished by:				
Received by:		Samples received at 5°		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 23, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120816 WORFDB6, F&BI 208235 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0823R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120816 WORFDB6, F&BI 208235 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208235-01	B259-0.5
208235-02	B259-02.5
208235-03	B259-05
208235-04	B259-07.5
208235-05	B259-10
208235-06	B259-12.5
208235-07	B259-15
208235-08	B259-17.5
208235-09	B259-20
208235-10	B259-22.5
208235-11	B259-25
208235-12	B259-27.5
208235-13	B259-30
208235-14	B259-32.5
208235-15	B259-35
208235-16	B259-37.5

All quality control requirements were acceptable.

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B259-02.5 208235-02	<0.02	<0.02	<0.02	<0.06	<2	88
B259-07.5 208235-04	<0.02	<0.02	<0.02	<0.06	<2	84
B259-17.5 208235-08	<0.02	<0.02	<0.02	<0.06	<2	85
Method Blank 02-1479 MB	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B259-02.5 208235-02	<50	<250	103
B259-07.5 208235-04	<50	<250	98
B259-17.5 208235-08	<50	<250	103
Method Blank 02-1478 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B259-02.5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816, F&BI 208235
Date Extracted:	08/21/12	Lab ID:	208235-02
Date Analyzed:	08/21/12	Data File:	082121.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B259-07.5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816, F&BI 208235
Date Extracted:	08/21/12	Lab ID:	208235-04
Date Analyzed:	08/21/12	Data File:	082122.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.18
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B259-17.5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816, F&BI 208235
Date Extracted:	08/21/12	Lab ID:	208235-08
Date Analyzed:	08/21/12	Data File:	082123.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120816, F&BI 208235
Date Extracted:	08/21/12	Lab ID:	02-1449 mb2
Date Analyzed:	08/21/12	Data File:	082105.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208214-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	86	70-117
Ethylbenzene	mg/kg (ppm)	0.5	86	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208240-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	91	104	64-133	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	58-147

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208254-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	34	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	41	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	47	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	57	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	59	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	69	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	67	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	65	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	63	38-102

Date of Report: 08/23/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	67	65	51-102	3
Chloroethane	mg/kg (ppm)	2.5	72	72	53-113	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	77	67-116	3
Methylene chloride	mg/kg (ppm)	2.5	73	72	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	83	84	70-116	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	90	92	79-109	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	94	76-113	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	102	79-114	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	100	100	73-119	0
Trichloroethene	mg/kg (ppm)	2.5	95	96	70-113	1
Tetrachloroethene	mg/kg (ppm)	2.5	95	94	73-117	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

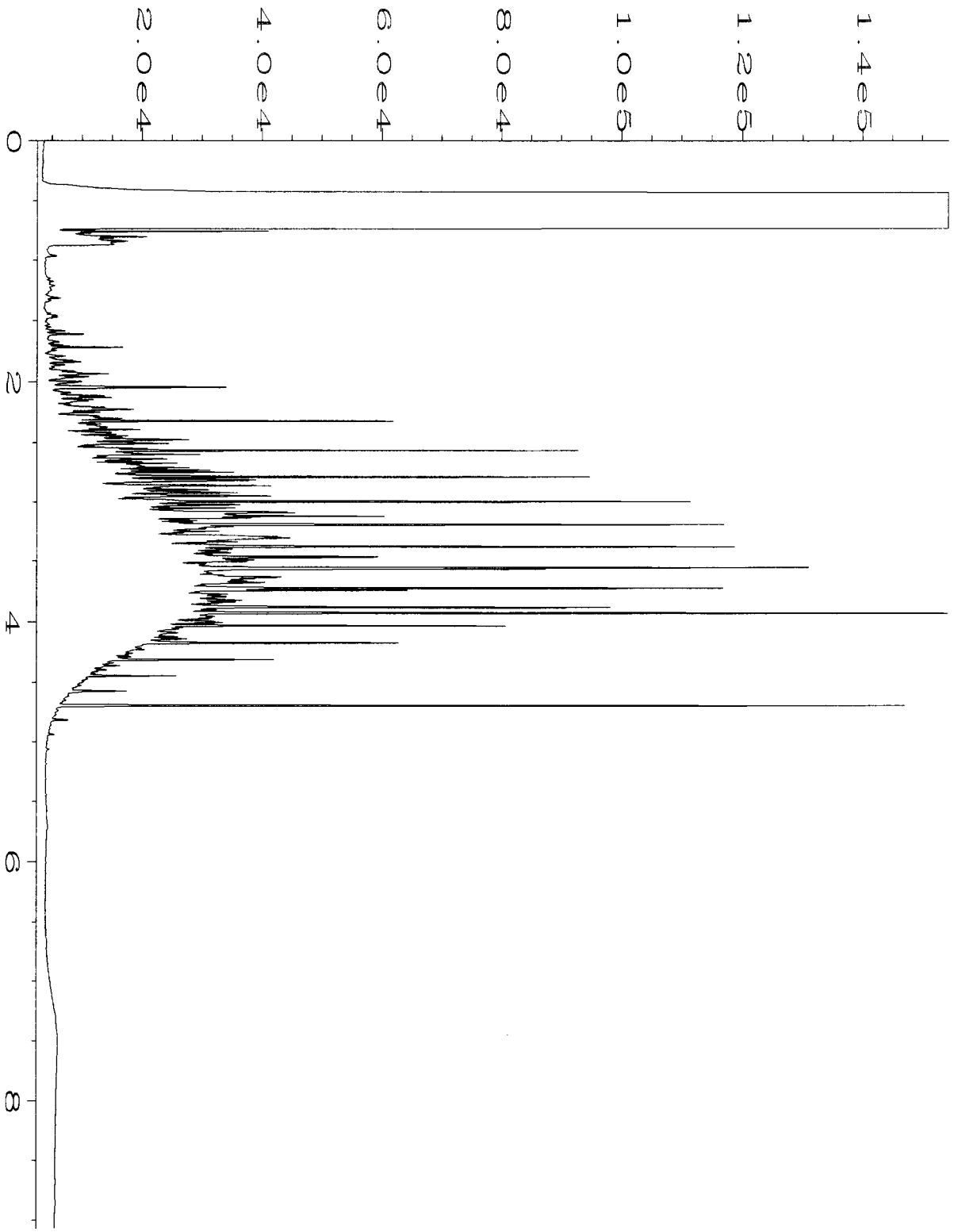
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

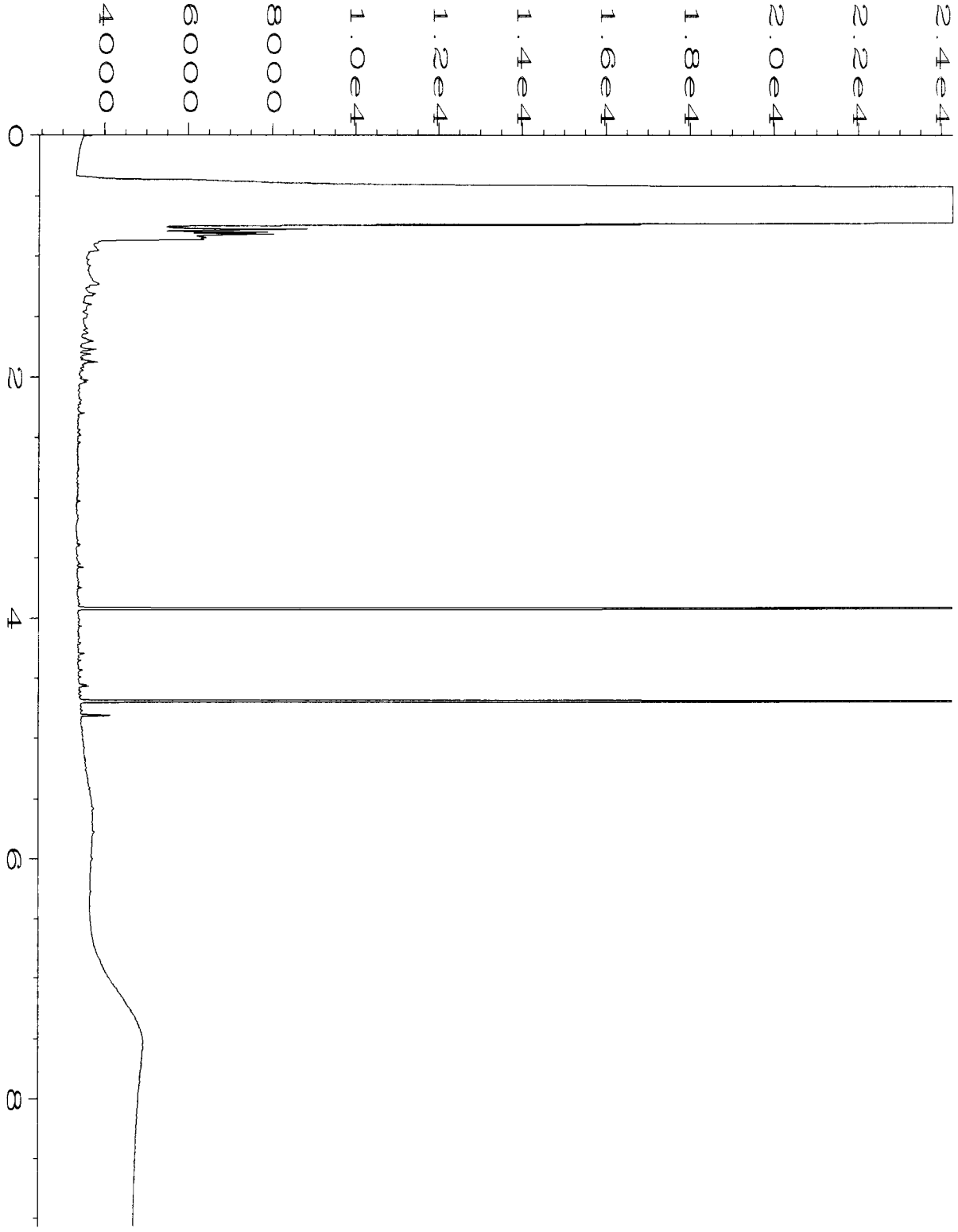
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

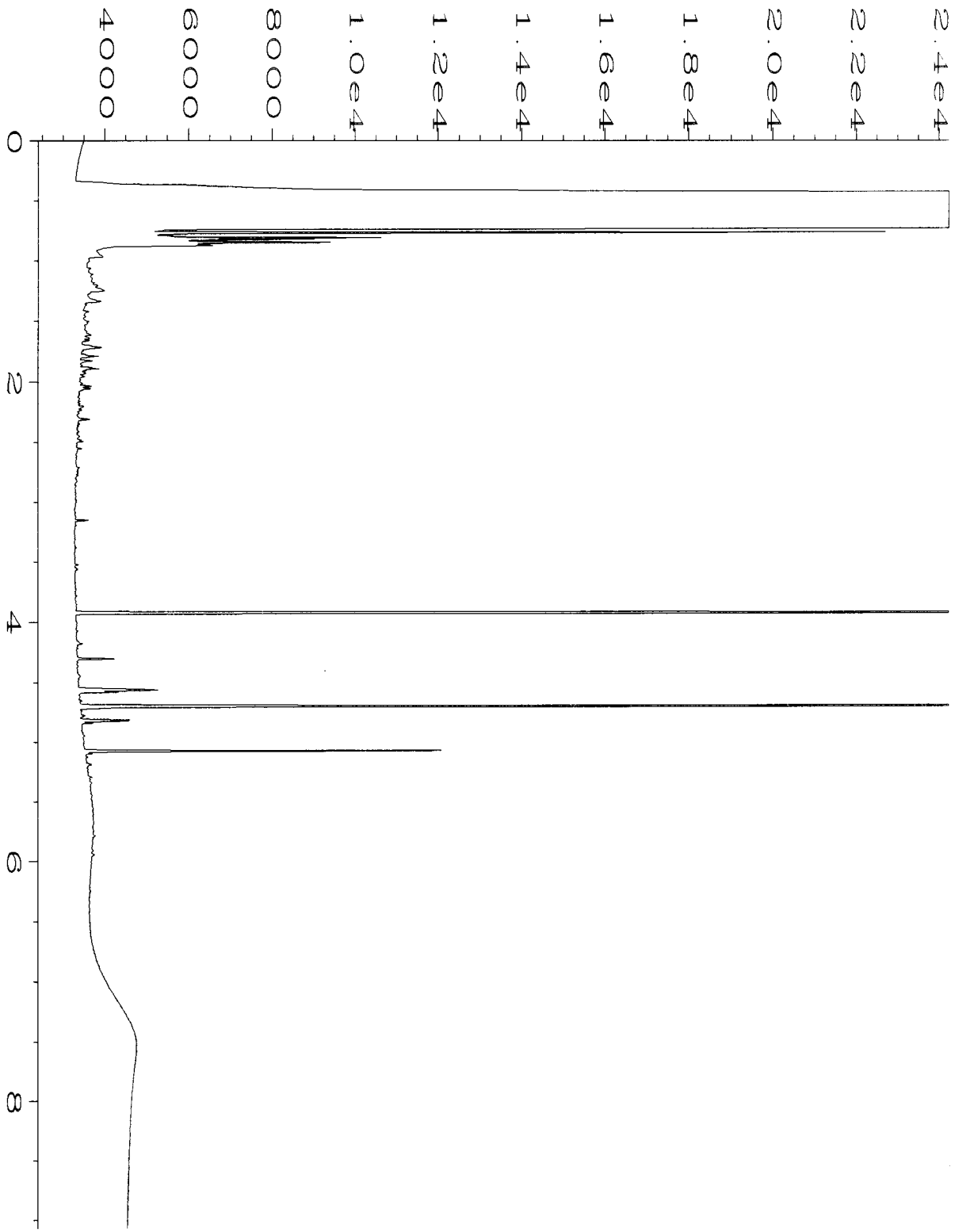


Data File Name	: C:\HPCHEM\6\DATA\08-21-12\003F0201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 3
Sample Name	: 500 Dx 38-103C	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 21 Aug 12 08:35 AM	Instrument Method	: DX.MTH
Report Created on	: 22 Aug 12 10:01 AM	Analysis Method	: DX.MTH



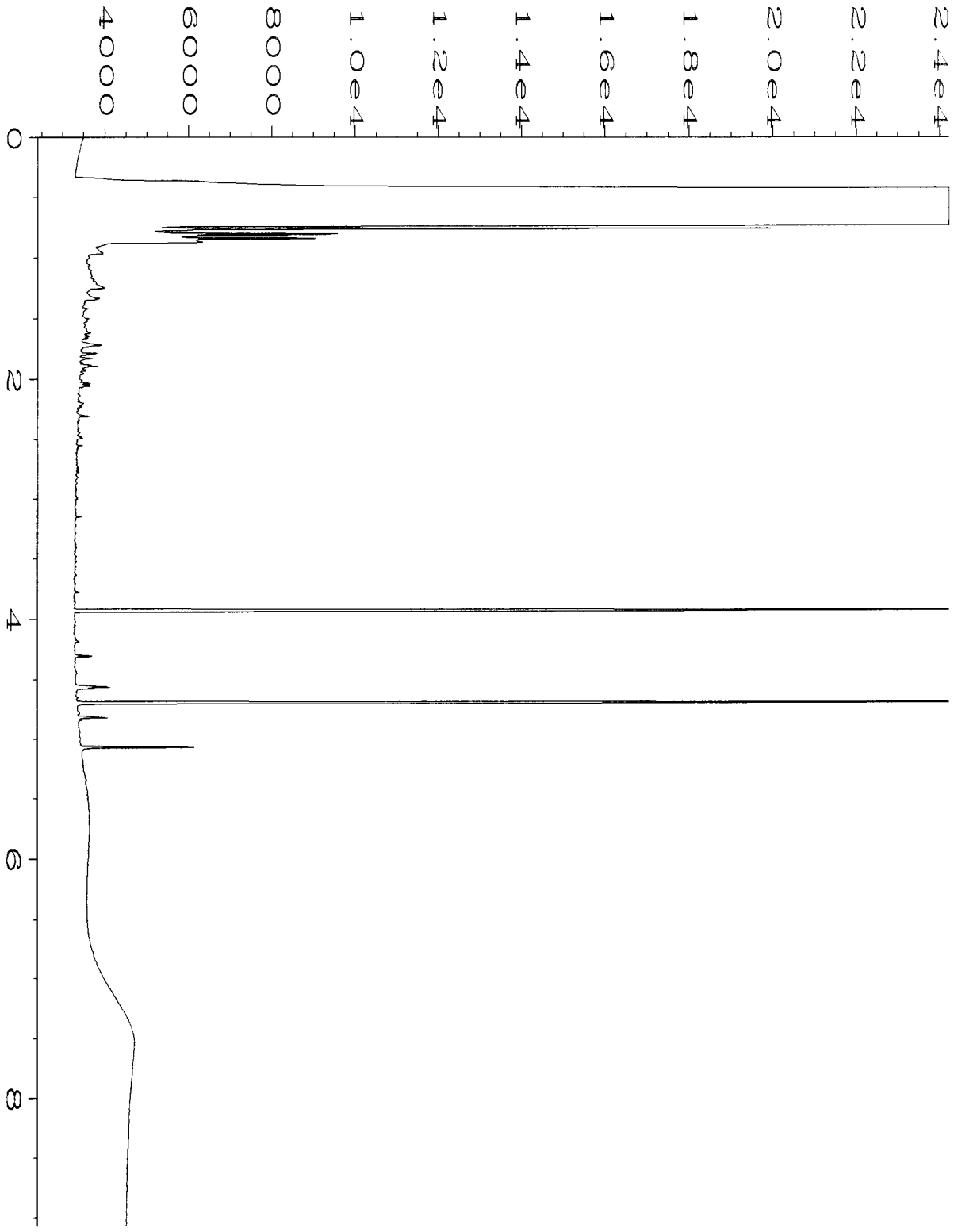
Data File Name : C:\HPCHEM\6\DATA\08-21-12\027F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 02-1478 mb
Run Time Bar Code:
Acquired on : 21 Aug 12 04:17 PM
Report Created on: 22 Aug 12 10:01 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



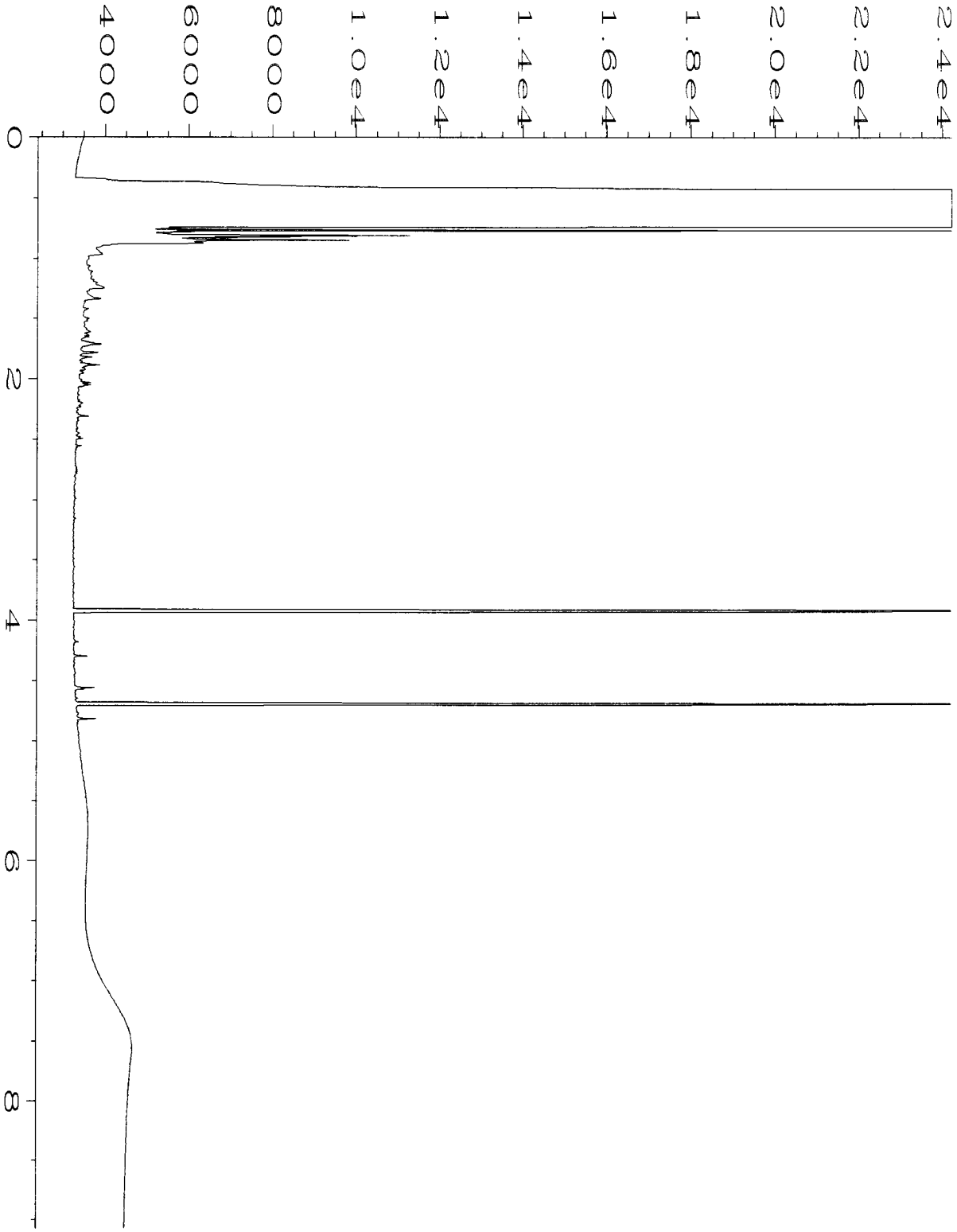
Data File Name : C:\HPCHEM\6\DATA\08-21-12\035F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208235-02
Run Time Bar Code:
Acquired on : 21 Aug 12 06:05 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\036F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208235-04
Run Time Bar Code:
Acquired on : 21 Aug 12 06:19 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 36
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\037F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208235-08
Run Time Bar Code:
Acquired on : 21 Aug 12 06:33 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 37
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

208235

SAMPLE CHAIN OF CUSTODY ME 08-16-12

C04 / V83

Page # 1 of 2

Send Report To Jim Brown, Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature) J. Brown

PROJECT NAME/NO. ASKO Hydraulic Property 0440-206-26

PO # 01-600

REMARKS Hold all samples

GEMS (Y) / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B259-0.5	B259	0.5	01 A-C	08/16/12	10:45	S	5									161 to Sabrina
B259-02.5		2.5	02		10:53			X	X	X	X					
B259-05		5	03		10:58											
B259-07.5		7.5	04		11:03			X	X	X	X					
B259-10		10	05		11:10											
B259-12.5		12.5	06		11:16											
B259-15		15	07		11:23											
B259-17.5		17.5	08		11:31			X	X	X	X					
B259-20		20	09		11:47											
B259-22.5		22.5	10		11:51											
B259-25		25	11		11:57											
B259-27.5		27.5	12		12:04											
B259-30		30	13		12:11											

X - per PK 08/21/12

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Luke Sweat	SoundEarth	8/16/12	1530
Received by:		HONG NGUYEN	FBI	"	"
Relinquished by:					
Received by:			Samples received at	5	°C

FORMS\COC\SESGEMSR1.DOC (Revision 1)

208235

SAMPLE CHAIN OF CUSTODY

ME 08-16-12

C04 / V83

Page # 2 of 2

Send Report To Tim Bryan, Pete Kmetzoo

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature) T. Bryan + [signature]

PROJECT NAME/NO. ASKO Hydraulic Property 0440-004-26

PO # 01-600

REMARKS Hold all samples

GEMS? Y / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B259-32.5	B259	32.5	14 A-E	08/16/12	12:15	S	5									Hold S/L/A
B259-35	↓	35	15 T	↓	12:22	↓	↓									↓
B259-37.5	↓	37.5	16 T	↓	12:32	↓	↓									↓

TSB 08

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	[signature]	Luke Sweet	SoundEarth	8/16/12	1530
Received by:	[signature]	HONG NGUYEN	FBI	V	V
Relinquished by:					
Received by:			Samples received at 5 °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Yelena Aravkina, M.S.
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Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

September 11, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on August 16, 2012 from the TOC_01-600_20120816 WORFDB6, F&BI 208235 project. There are 7 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0911R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120816 WORFDB6, F&BI 208235 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208235-01	B259-0.5
208235-02	B259-02.5
208235-03	B259-05
208235-04	B259-07.5
208235-05	B259-10
208235-06	B259-12.5
208235-07	B259-15
208235-08	B259-17.5
208235-09	B259-20
208235-10	B259-22.5
208235-11	B259-25
208235-12	B259-27.5
208235-13	B259-30
208235-14	B259-32.5
208235-15	B259-35
208235-16	B259-37.5

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B259-05	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816 WORFDB6
Date Extracted:	08/30/12	Lab ID:	208235-03
Date Analyzed:	08/30/12	Data File:	083010.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B259-22.5	Client:	SoundEarth Strategies
Date Received:	08/16/12	Project:	TOC_01-600_20120816 WORFDB6
Date Extracted:	08/30/12	Lab ID:	208235-10
Date Analyzed:	08/30/12	Data File:	083011.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120816 WORFDB6
Date Extracted:	08/30/12	Lab ID:	02-1543 mb
Date Analyzed:	08/30/12	Data File:	083008.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 09/11/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208141-04 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: 208214-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	43	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	51	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	57	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	59	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	65	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	72	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	73	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	73	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	71	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	76	38-102

Date of Report: 09/11/12
Date Received: 08/16/12
Project: TOC_01-600_20120816 WORFDB6, F&BI 208235

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	66	79	51-102	18
Chloroethane	mg/kg (ppm)	2.5	75	85	53-113	12
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	90	67-116	6
Methylene chloride	mg/kg (ppm)	2.5	87	88	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	95	96	70-116	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	99	79-109	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	98	98	76-113	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	98	101	79-114	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	104	73-119	2
Trichloroethene	mg/kg (ppm)	2.5	93	95	70-113	2
Tetrachloroethene	mg/kg (ppm)	2.5	97	98	73-117	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

208235

SAMPLE CHAIN OF CUSTODY HE 08-16-12 C04 / V83

Page # 1 of 2

Send Report To Tim Brown, Pete Kingsley

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature) T. Brown

PROJECT NAME/NO. ASKO Hydraulic Projects 0490-006-26

PO # 01-600

REMARKS Hold all samples

GEMS (Y) / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			(X)-per PK 8/30/12 Notes
B259-0.5	B259	0.5	01	08/16/12	10:45	S	5									Hold in Sample
B259-02.5		2.5	02		10:23			X	X	X	X					
B259-05		5	03		10:58						X					
B259-07.5		7.5	04		11:03			X	X	X	X					
B259-10		10	05		11:10											
B259-12.5		12.5	06		11:16											
B259-15		15	07		11:23											
B259-17.5		17.5	08		11:31			X	X	X	X					
B259-20		20	09		11:47											
B259-22.5		22.5	10		11:53						X					
B259-25		25	11		11:57											
B259-27.5		27.5	12		12:04											
B259-30		30	13		12:11											

(X)-per PK 08/21

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Luke Sweet	SoundEarth	8/16/12	1530
Received by:	HONG NGUYEN	FBI	✓	✓
Relinquished by:				
Received by:		Samples received at 5 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

208235

SAMPLE CHAIN OF CUSTODY ME 08-16-12 C04/V83

Page # 2 of 2

Send Report To Tim Bryan, Pete Kmiyata

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature) T Bryan

PROJECT NAME/NO. ASKO Hydraulic Project 0440-004-26

PO # 01-600

REMARKS Hold all samples

GEMS? Y / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B259-32.5	B259	32.5	14 A-E	08/16/12	12:15	S	5									Hold Status
B259-35	↓	35	15 T	↓	12:22	↓	↓									↓
B259-37.5		37.5	16 T		12:32											

TSB 08

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Luke Swant	SoundEarth	8/16/12	1530
Received by:	HONG NGUYEN	FBI	8/16/12	1530
Relinquished by:				
Received by:		Samples received at 5 °C		

FORMS\COC\SESGBMSR1.DOC (Revision 1)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 27, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on August 17, 2012 from the TOC_01-600_20120817 WORFDB6, F&BI 208265 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0827R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 17, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120817 WORFDB6, F&BI 208265 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208265-01	B261-0.5
208265-02	B261-02.5
208265-03	B261-05
208265-04	B261-07.5
208265-05	B265-10
208265-06	B261-12.5
208265-07	B261-15
208265-08	B261-17.5
208265-09	B261-20
208265-10	B261-22.5
208265-11	B261-25
208265-12	B261-27.5
208265-13	B261-30
208265-14	B261-32.5
208265-15	B261-35
208265-16	B261-37.5

All quality control requirements were acceptable.

Date of Report: 08/27/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265
Date Extracted: 08/21/12
Date Analyzed: 08/21/12 and 08/23/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B261-0.5 208265-01	<0.02	<0.02	<0.02	<0.06	<2	86
B261-05 208265-03	<0.02	0.046	1.6	4.3	240	ip
B261-07.5 208265-04	<0.02	<0.02	<0.02	<0.06	8.7	87
Method Blank 02-1479 MB	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 08/27/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B261-0.5 208265-01	140	<250	101
B261-05 208265-03	3,000	<250	101
B261-07.5 208265-04	<50	<250	99
Method Blank 02-1478 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B261-0.5	Client:	SoundEarth Strategies
Date Received:	08/17/12	Project:	TOC_01-600_20120817, F&BI 208265
Date Extracted:	08/21/12	Lab ID:	208265-01
Date Analyzed:	08/21/12	Data File:	082127.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B261-05	Client:	SoundEarth Strategies
Date Received:	08/17/12	Project:	TOC_01-600_20120817, F&BI 208265
Date Extracted:	08/21/12	Lab ID:	208265-03
Date Analyzed:	08/21/12	Data File:	082129.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	110	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B261-07.5	Client:	SoundEarth Strategies
Date Received:	08/17/12	Project:	TOC_01-600_20120817, F&BI 208265
Date Extracted:	08/21/12	Lab ID:	208265-04
Date Analyzed:	08/21/12	Data File:	082128.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120817, F&BI 208265
Date Extracted:	08/21/12	Lab ID:	02-1452 mb
Date Analyzed:	08/21/12	Data File:	082119.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 08/27/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208214-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	86	70-117
Ethylbenzene	mg/kg (ppm)	0.5	86	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 08/27/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208240-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	91	104	64-133	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	58-147

Date of Report: 08/27/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208266-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	26	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	36	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	37	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	45	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	48	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	57	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	68	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	59	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	63	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	62	38-102

Date of Report: 08/27/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	74	72	51-102	3
Chloroethane	mg/kg (ppm)	2.5	75	75	53-113	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	82	82	67-116	0
Methylene chloride	mg/kg (ppm)	2.5	73	72	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	86	84	70-116	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	91	90	79-109	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	94	94	76-113	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	101	79-114	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	100	73-119	2
Trichloroethene	mg/kg (ppm)	2.5	95	95	70-113	0
Tetrachloroethene	mg/kg (ppm)	2.5	93	93	73-117	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

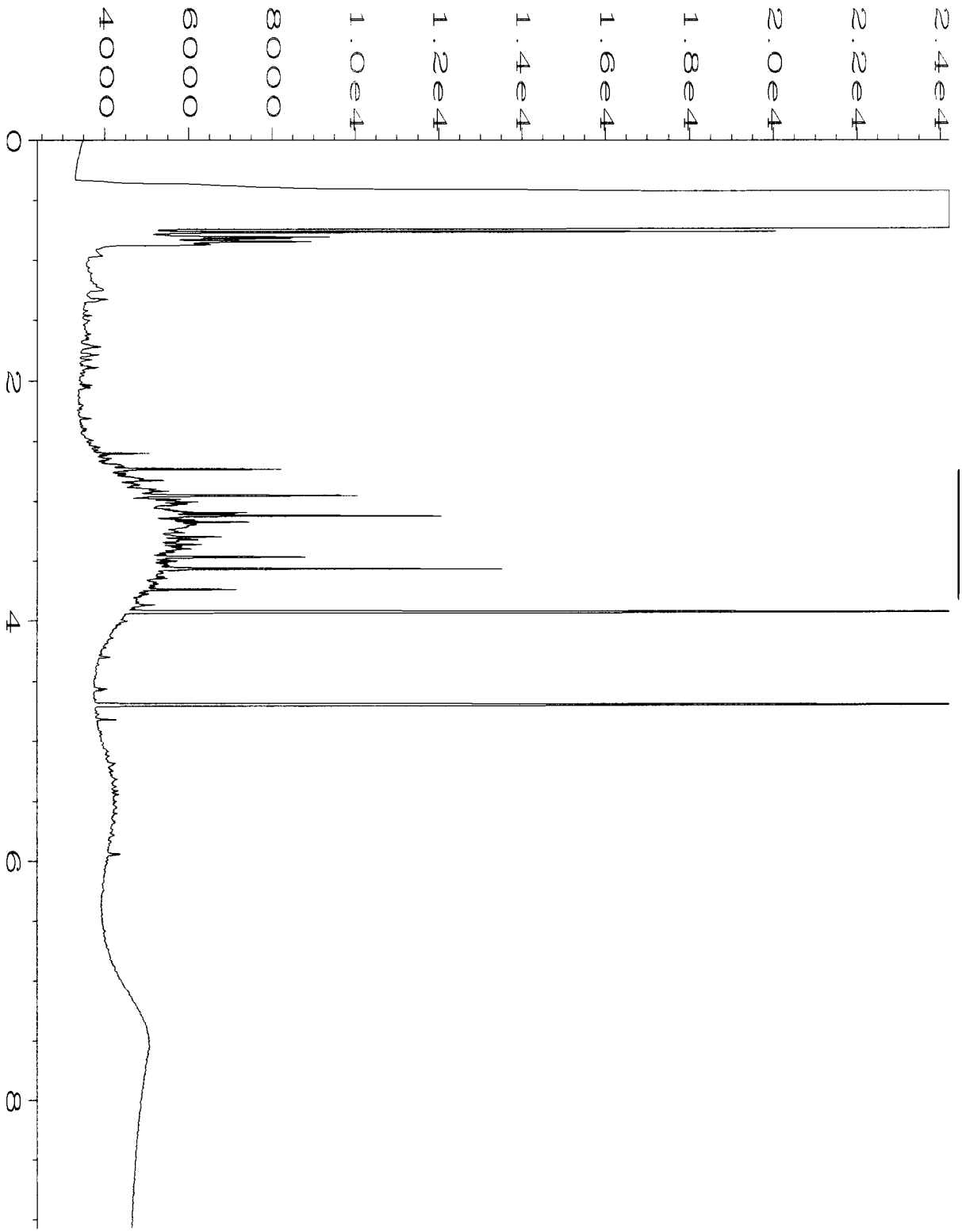
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

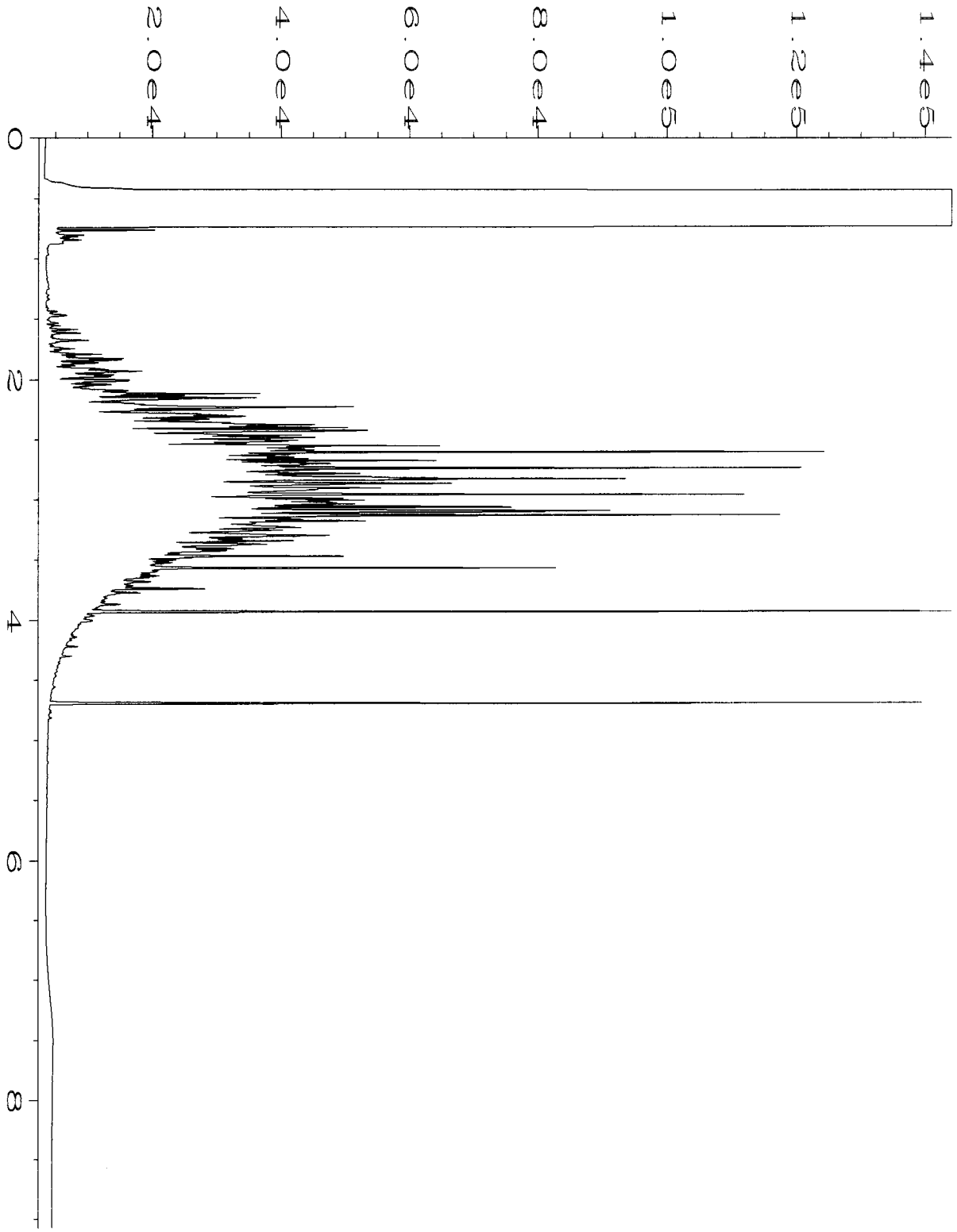
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

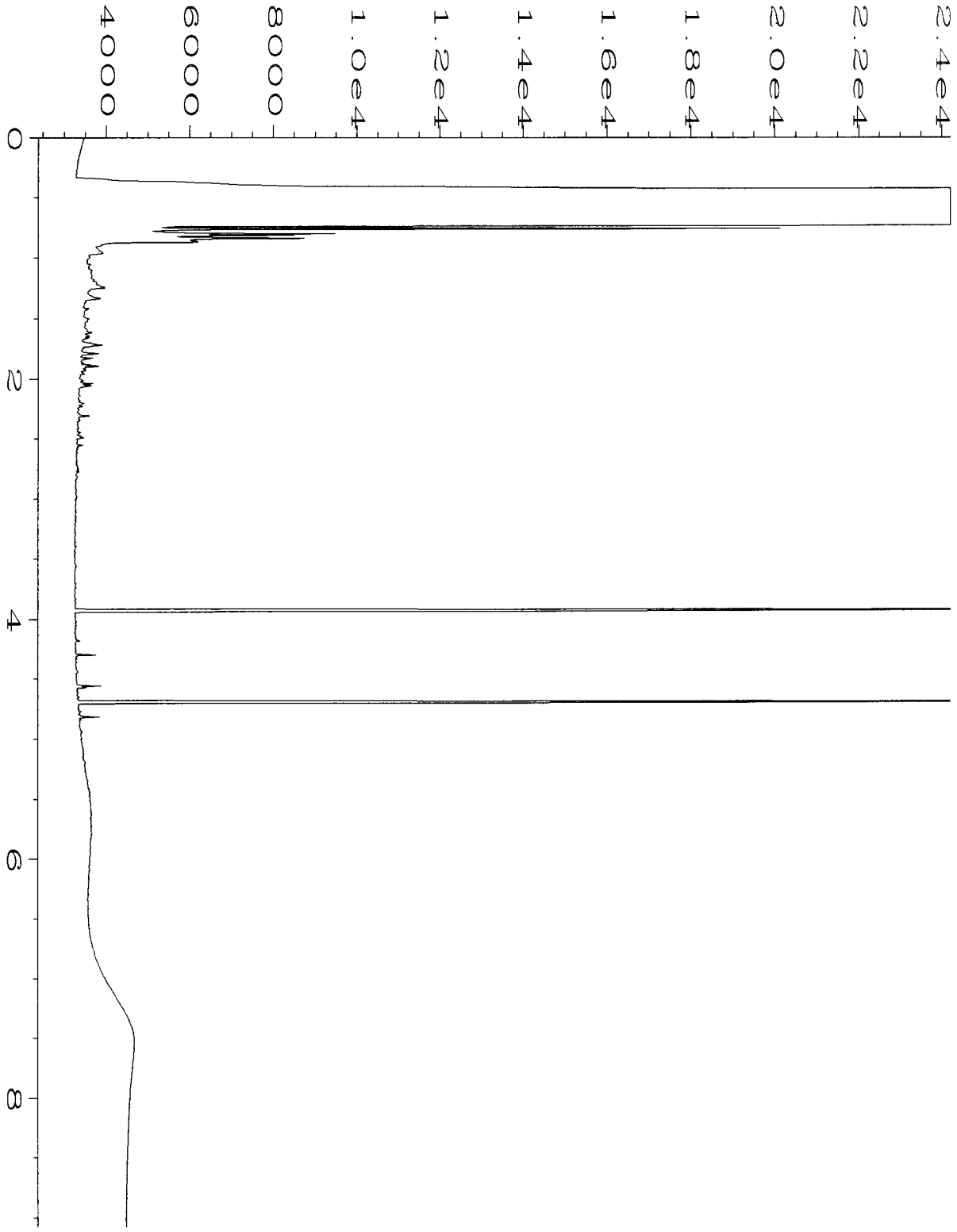


Data File Name : C:\HPCHEM\6\DATA\08-21-12\038F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208265-01
Run Time Bar Code:
Acquired on : 21 Aug 12 06:47 PM
Report Created on: 22 Aug 12 10:03 AM

Page Number : 1
Vial Number : 38
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

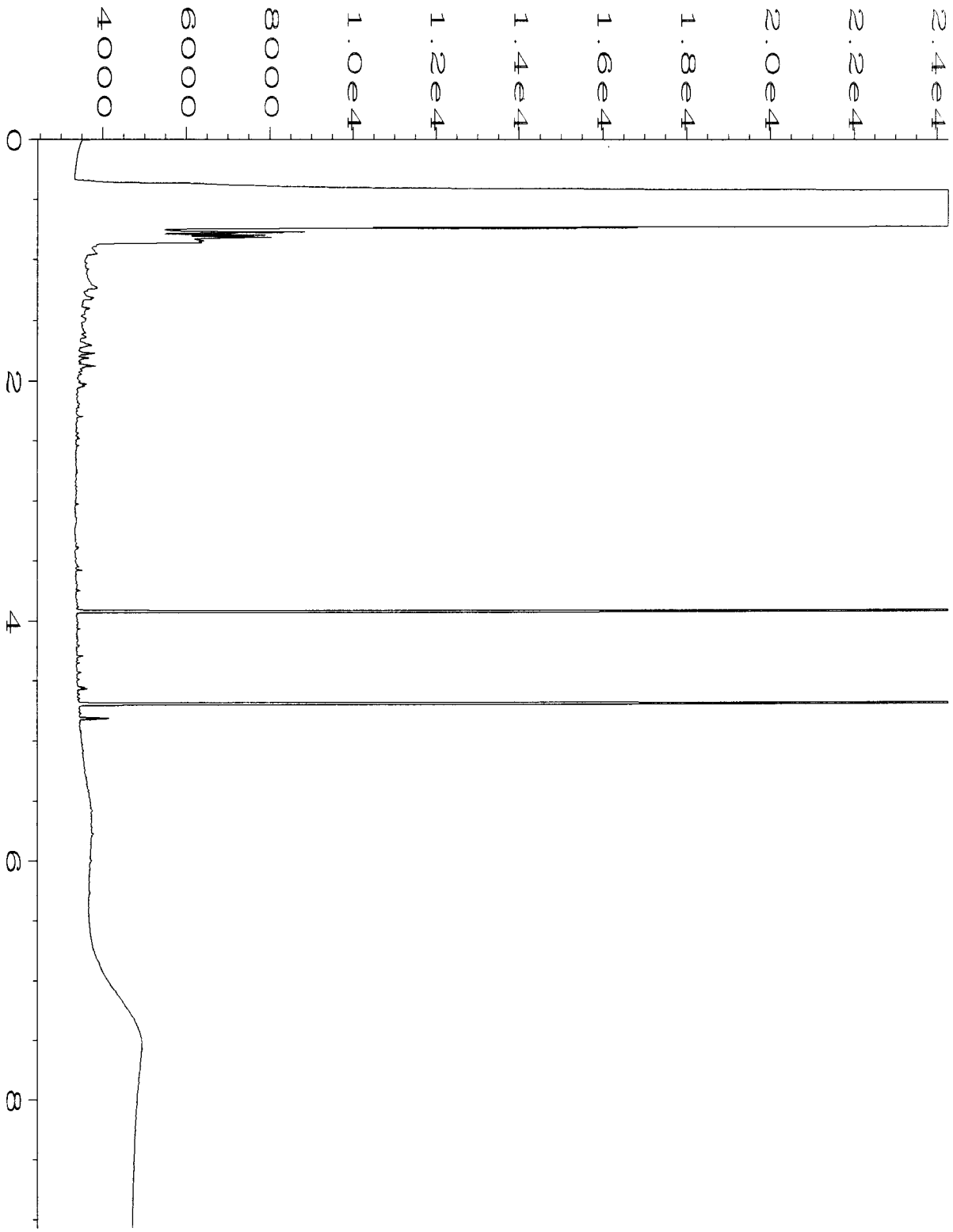


Data File Name	: C:\HPCHEM\6\DATA\08-21-12\039F0601.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 39
Sample Name	: 208265-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 21 Aug 12 07:00 PM	Instrument Method	: DX.MTH
Report Created on	: 22 Aug 12 10:04 AM	Analysis Method	: DX.MTH



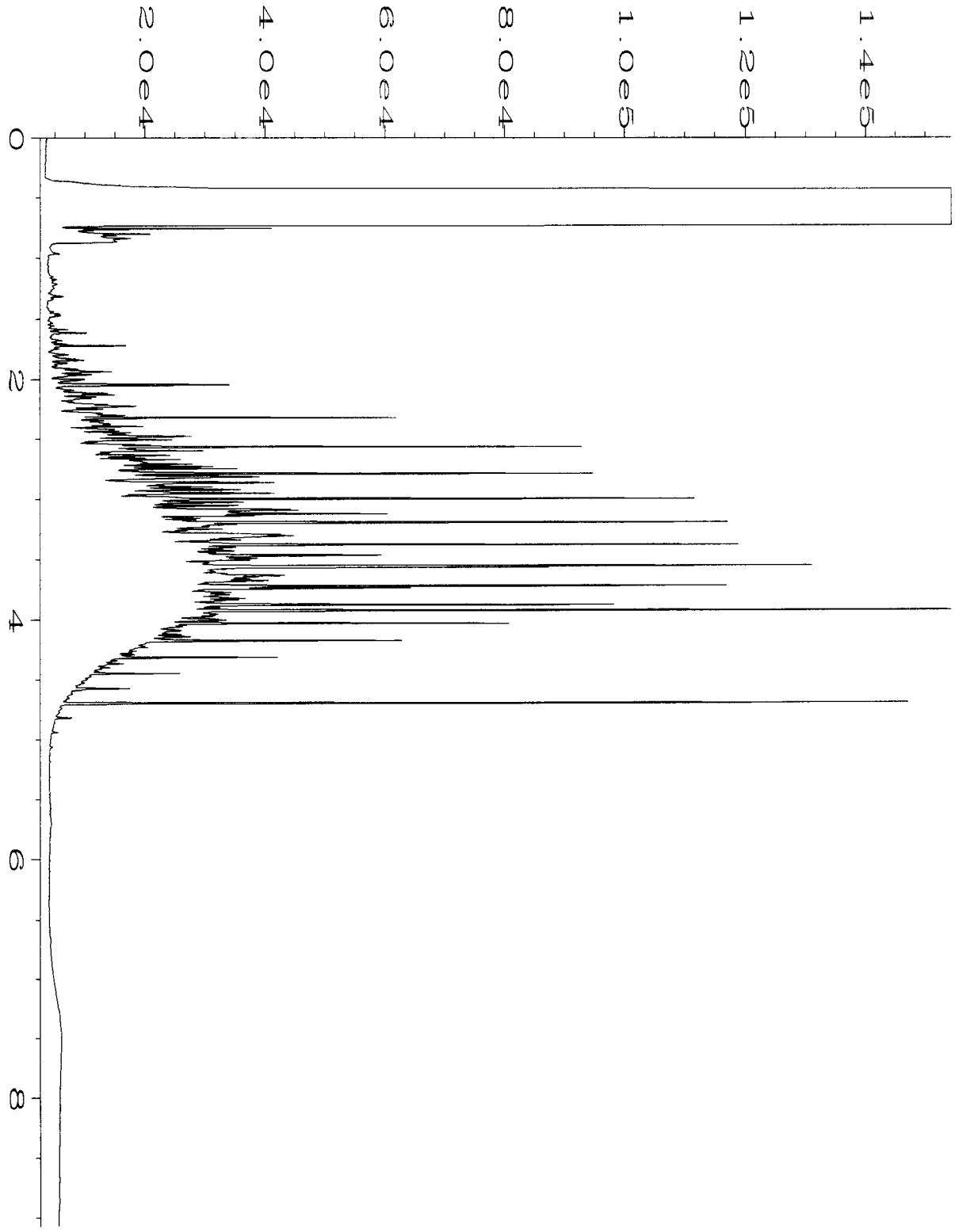
Data File Name : C:\HPCHEM\6\DATA\08-21-12\040F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208265-04
Run Time Bar Code:
Acquired on : 21 Aug 12 07:14 PM
Report Created on: 22 Aug 12 10:04 AM

Page Number : 1
Vial Number : 40
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\027F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 02-1478 mb
Run Time Bar Code:
Acquired on : 21 Aug 12 04:17 PM
Report Created on: 22 Aug 12 10:01 AM

Page Number : 1
Vial Number : 27
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\003F0201.D
Operator : ML
Instrument : GC #6
Sample Name : 500 Dx 38-103C
Run Time Bar Code:
Acquired on : 21 Aug 12 08:35 AM
Report Created on: 22 Aug 12 10:01 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH

(208265

SAMPLE CHAIN OF CUSTODY ME 08-17-12

(105/VSL

Page # 1 of 2

Send Report To Tim Brown, cc: Jessica Brown, Audrey Hackett, Jennifer Cyr, Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO. ASKO Hydraulic Property
TOC Holdings Co. Facility No. 01-600
Seattle Terminal 0440-004-26

PO # 01-600

REMARKS
Hold all samples

EIM Y / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

X - per PK 08/21

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	cVOCs	DRO/RRO	G/BTEX							Notes
B261-0.5	B261	0.5	01 A-E	8/17/12	0839	S	5	X	X	X							Hold
B261-02.5		2.5	02		0847												
B261-05		5	03		0853			X	X	X							
B261-07.5		7.5	04		0900			X	X	X							
B261-10		10	05		0906												
B261-12.5		12.5	06		0912												
B261-15		15	07		0921												
B261-17.5		17.5	08		0926												
B261-20		20	09		0933												
B261-22.5		22.5	10		0939												
B261-25		25	11		0944												
B261-27.5		27.5	12		0950												
B261-30		30	13		0956												

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Luke Sweet	Soundearth	8/17/12	1355
Received by:	HONG NGUYEN	FBI	✓	✓
Relinquished by:				
Received by:				

Received at 4 °C

208265

SAMPLE CHAIN OF CUSTODY ME 08-17-12

Page # 2 of 2

COC

Send Report To Tim Brown, cc: Jessica Brown, Audrey Hackett, Jennifer Cyr, Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO. ASKO Hydraulic Property
TOC Holdings Co. Facility No. 01-600
Seattle Terminal 0440-001-006

PO # 01-600

REMARKS Hold all samples

EIM Y / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	Notes
B261-32.5	B261	32.5	14A-E	8/17/12	1001	S	5	Hold
B261-35	↓	35	15	↓	1006	↓	↓	↓
B261-37.5	↓	37.5	16	↓	1012	↓	↓	↓

8/17/12

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Luke Swart	SoundEarth	8/17/12	1355
Received by:		HONG NGUYEN	FBI	↓	↓
Relinquished by:					
Received by:					

Received at 4 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

September 11, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on August 17, 2012 from the TOC_01-600_20120817 WORFDB6, F&BI 208265 project. There are 6 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0911R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 17, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120817 WORFDB6, F&BI 208265 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208265-01	B261-0.5
208265-02	B261-02.5
208265-03	B261-05
208265-04	B261-07.5
208265-05	B265-10
208265-06	B261-12.5
208265-07	B261-15
208265-08	B261-17.5
208265-09	B261-20
208265-10	B261-22.5
208265-11	B261-25
208265-12	B261-27.5
208265-13	B261-30
208265-14	B261-32.5
208265-15	B261-35
208265-16	B261-37.5

All quality control requirements were acceptable.

Date of Report: 09/11/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265
Date Extracted: 08/30/12
Date Analyzed: 08/30/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B261-02.5 208265-02	<0.02	<0.02	<0.02	<0.06	<2	96
Method Blank 02-1551 MB	<0.02	<0.02	<0.02	<0.06	<2	95

Date of Report: 09/11/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265
Date Extracted: 08/30/12
Date Analyzed: 08/31/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B261-02.5 208265-02	<50	<250	108
Method Blank 02-1541 MB	<50	<250	98

Date of Report: 09/11/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208141-04 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	0.20	0.14	38 vo
Toluene	mg/kg (ppm)	0.24	0.063	117 vo
Ethylbenzene	mg/kg (ppm)	30	19	45 vo
Xylenes	mg/kg (ppm)	29	22	26 vo
Gasoline	mg/kg (ppm)	1,200	470	87 vo

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	mg/kg (ppm)	0.5	79	81	66-121	2
Toluene	mg/kg (ppm)	0.5	86	87	72-128	1
Ethylbenzene	mg/kg (ppm)	0.5	87	87	69-132	0
Xylenes	mg/kg (ppm)	1.5	87	87	69-131	0
Gasoline	mg/kg (ppm)	20	100	100	61-153	0

Date of Report: 09/11/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208265

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208431-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	106	105	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	92	58-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

(208265

SAMPLE CHAIN OF CUSTODY ME 08-17-12

(005/VS

Page # 1 OF 2

Send Report To Tim Brown, cc: Jessica Brown, Audrey Hackett, Jennifer Cyr, Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO. ASKO Hydraulic Property
TOC Holdings Co. Facility No. 01-600
Seattle Terminal 0440-004-26

PO # 01-600

REMARKS Hold all samples

EIM Y / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

X - per PK 08/21

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of Jars	cVOCs	DRO/RRO	GRO/BTEX							Notes
B261-0.5	B261	0.5	01A-E	8/17/12	0839	S	5	X	X	X							Hold
B261-02.5		2.5	02		0847				*	*							
B261-05		5	03		0853			X	X	X							
B261-07.5		7.5	04		0900			X	X	X							
B261-10		10	05		0906												
B261-12.5		12.5	06		0912												
B261-15		15	07		0921												
B261-17.5		17.5	08		0926												
B261-20		20	09		0933												
B261-22.5		22.5	10		0939												
B261-25		25	11		0944												
B261-27.5		27.5	12		0950												
B261-30		30	13		0956												

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Luke Swist	SoundEarth	8/17/12	1555
Received by:		HONG NGUYEN	FMI	"	"
Relinquished by:					
Received by:					

Received at 4 °C

208265

SAMPLE CHAIN OF CUSTODY ME 08-17-12

Page # 2 of 2 COC

Send Report To Tim Brown, cc: Jessica Brown, Audrey Hackett, Jennifer Cyr, Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO. ASKO Hydraulic Property
TOC Holdings Co. Facility No. 01-600
Seattle Terminal 0440-001-006

PO # 01-600

REMARKS Hold all samples

EIM Y / N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	Notes
B261-32.5	B261	32.5	14	8/17/12	1001	S	5	Hold
B261-35	↓	35	15	↓	1006	↓	↓	↓
B261-37.5	↓	37.5	16	↓	1012	↓	↓	↓

8/17/12

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Luke Swart	SoundEarth	8/17/12	1355
Received by:		HONG NGUYEN	FBI	↓	↓
Relinquished by:					
Received by:					

Received at 4 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

August 23, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on August 17, 2012 from the TOC_01-600_20120817 WORFDB6, F&BI 208266 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0823R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 17, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120817 WORFDB6, F&BI 208266 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
208266-01	B260-0.5
208266-02	B260-02.5
208266-03	B260-05
208266-04	B260-07.5
208266-05	B260-10
208266-06	B260-12.5
208266-07	B260-15
208266-08	B260-17.5
208266-09	B260-20
208266-10	B260-22.5
208266-11	B260-25
208266-12	B260-27.5
208266-13	B260-30
208266-14	B260- 32.5
208266-15	B260-35
208266-16	B260-37.5
208266-17	B260-40

All quality control requirements were acceptable.

Date of Report: 08/23/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208266
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B260-02.5 208266-02	<0.02	<0.02	<0.02	<0.06	<2	86
B260-12.5 208266-06	<0.02	<0.02	<0.02	<0.06	<2	86
B260-17.5 208266-08	<0.02	<0.02	<0.02	<0.06	<2	85
Method Blank 02-1479 MB	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 08/23/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208266
Date Extracted: 08/21/12
Date Analyzed: 08/21/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B260-02.5 208266-02	<50	<250	106
B260-12.5 208266-06	<50	<250	90
B260-17.5 208266-08	<50	<250	105
Method Blank 02-1478 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B260-02.5	Client:	SoundEarth Strategies
Date Received:	08/17/12	Project:	TOC_01-600_20120817, F&BI 208266
Date Extracted:	08/21/12	Lab ID:	208266-02
Date Analyzed:	08/21/12	Data File:	082124.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B260-12.5	Client:	SoundEarth Strategies
Date Received:	08/17/12	Project:	TOC_01-600_20120817, F&BI 208266
Date Extracted:	08/21/12	Lab ID:	208266-06
Date Analyzed:	08/21/12	Data File:	082125.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B260-17.5	Client:	SoundEarth Strategies
Date Received:	08/17/12	Project:	TOC_01-600_20120817, F&BI 208266
Date Extracted:	08/21/12	Lab ID:	208266-08
Date Analyzed:	08/21/12	Data File:	082126.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120817, F&BI 208266
Date Extracted:	08/21/12	Lab ID:	02-1452 mb
Date Analyzed:	08/21/12	Data File:	082119.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 08/23/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208266

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208214-05 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	87	69-120
Toluene	mg/kg (ppm)	0.5	86	70-117
Ethylbenzene	mg/kg (ppm)	0.5	86	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 08/23/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208266

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 208240-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	91	104	64-133	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	90	58-147

Date of Report: 08/23/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208266

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 208266-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	26	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	36	10-97
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	37	16-100
Methylene chloride	mg/kg (ppm)	2.5	<0.5	45	34-108
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	48	19-102
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	57	37-97
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	41-101
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	68	43-98
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	59	35-102
Trichloroethene	mg/kg (ppm)	2.5	<0.03	63	38-101
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	62	38-102

Date of Report: 08/23/12
Date Received: 08/17/12
Project: TOC_01-600_20120817 WORFDB6, F&BI 208266

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	74	72	51-102	3
Chloroethane	mg/kg (ppm)	2.5	75	75	53-113	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	82	82	67-116	0
Methylene chloride	mg/kg (ppm)	2.5	73	72	62-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	86	84	70-116	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	91	90	79-109	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	94	94	76-113	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	101	79-114	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	100	73-119	2
Trichloroethene	mg/kg (ppm)	2.5	95	95	70-113	0
Tetrachloroethene	mg/kg (ppm)	2.5	93	93	73-117	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

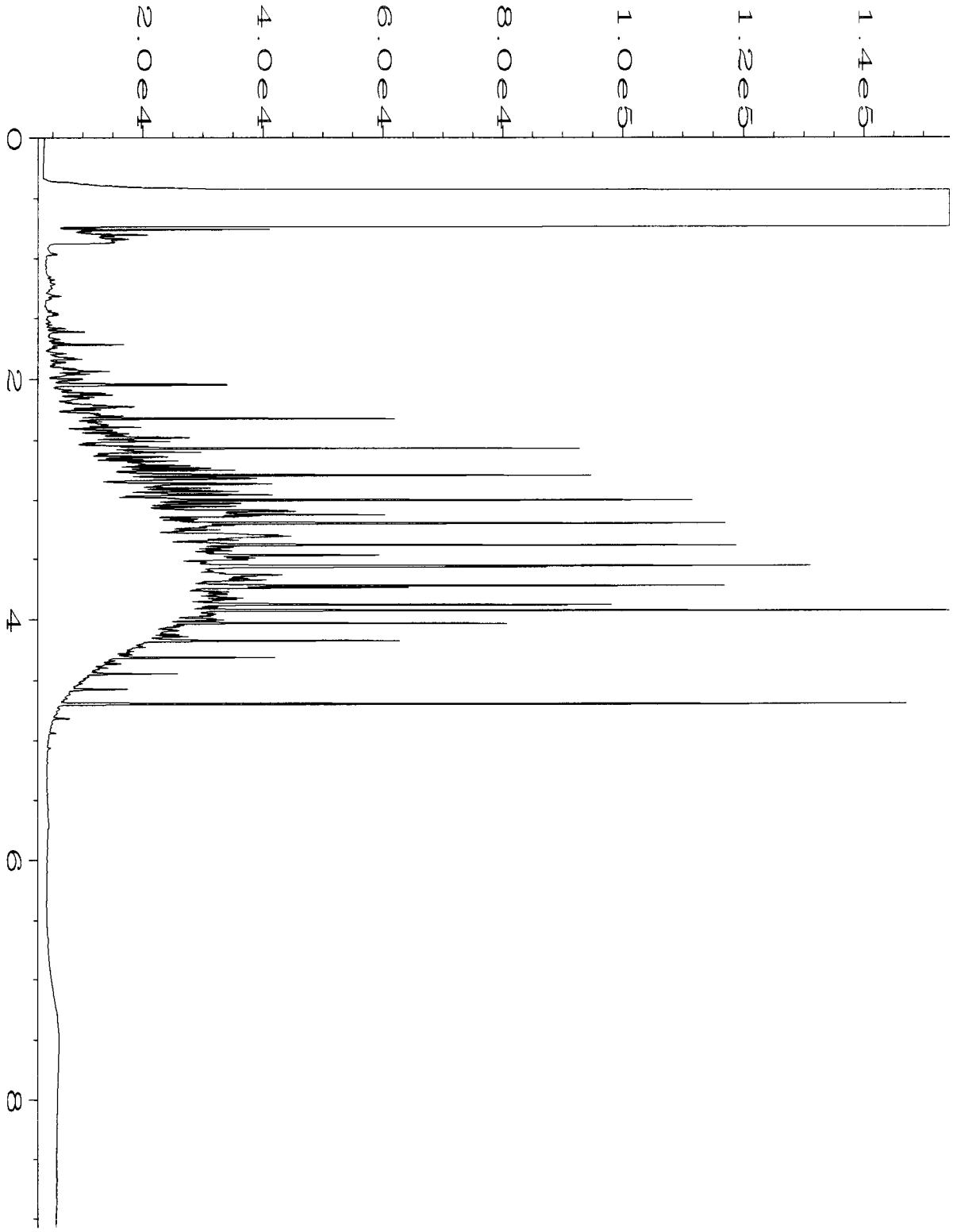
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

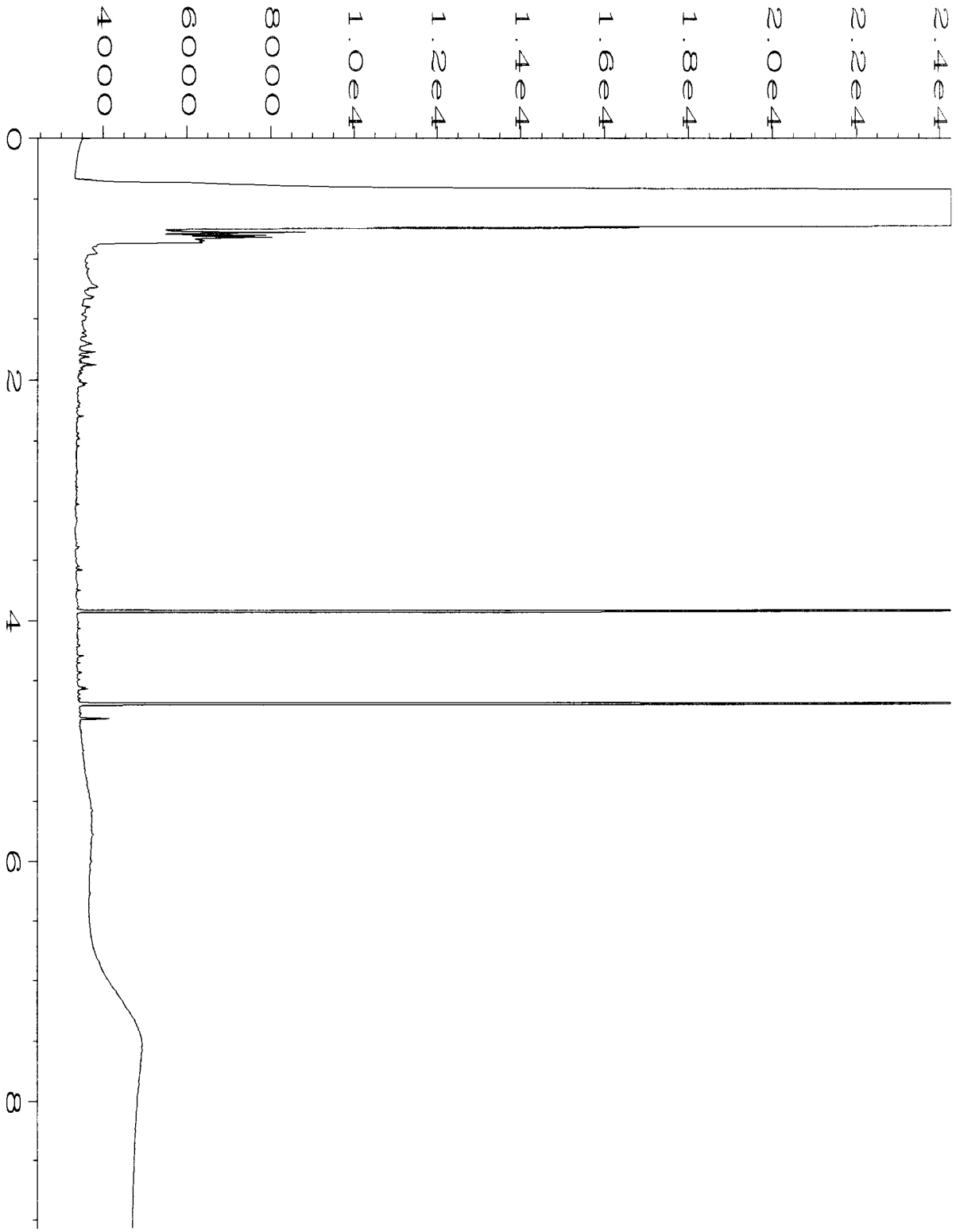
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

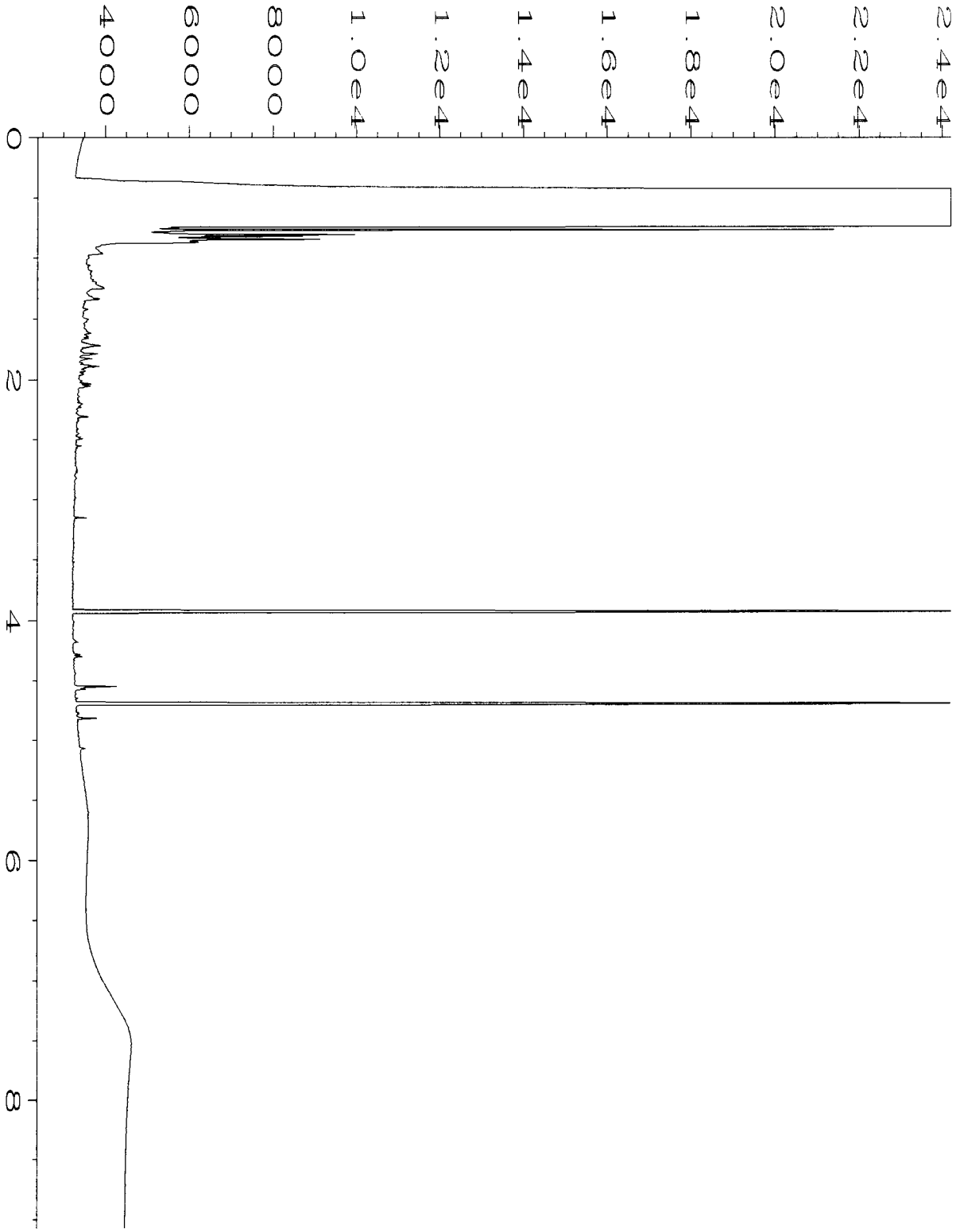


Data File Name : C:\HPCHEM\6\DATA\08-21-12\003F0201.D
Operator : ML
Instrument : GC #6
Sample Name : 500 Dx 38-103C
Run Time Bar Code:
Acquired on : 21 Aug 12 08:35 AM
Report Created on: 22 Aug 12 10:01 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH

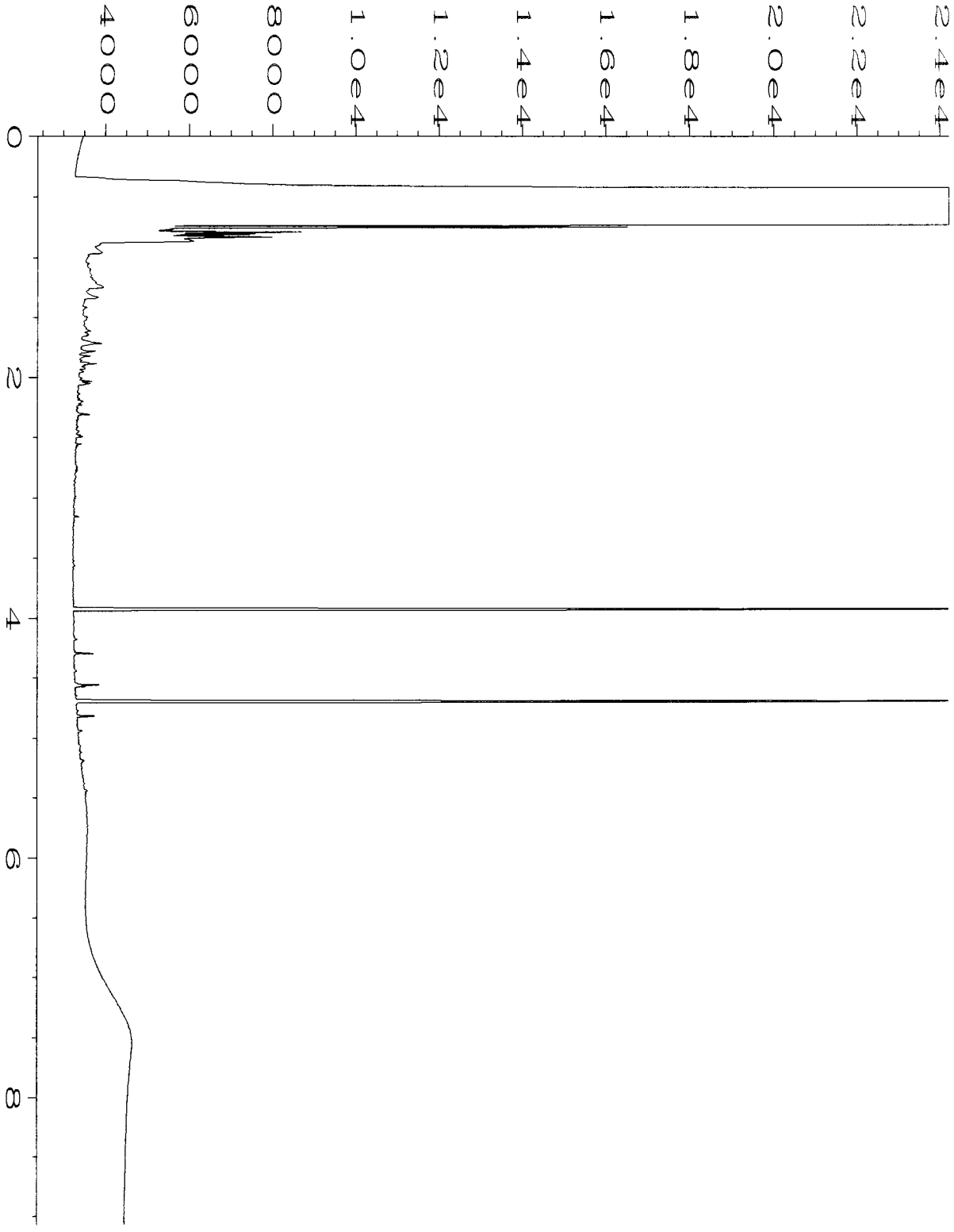


Data File Name	: C:\HPCHEM\6\DATA\08-21-12\027F0601.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 27
Sample Name	: 02-1478 mb	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 21 Aug 12 04:17 PM	Instrument Method	: DX.MTH
Report Created on	: 22 Aug 12 10:01 AM	Analysis Method	: DX.MTH



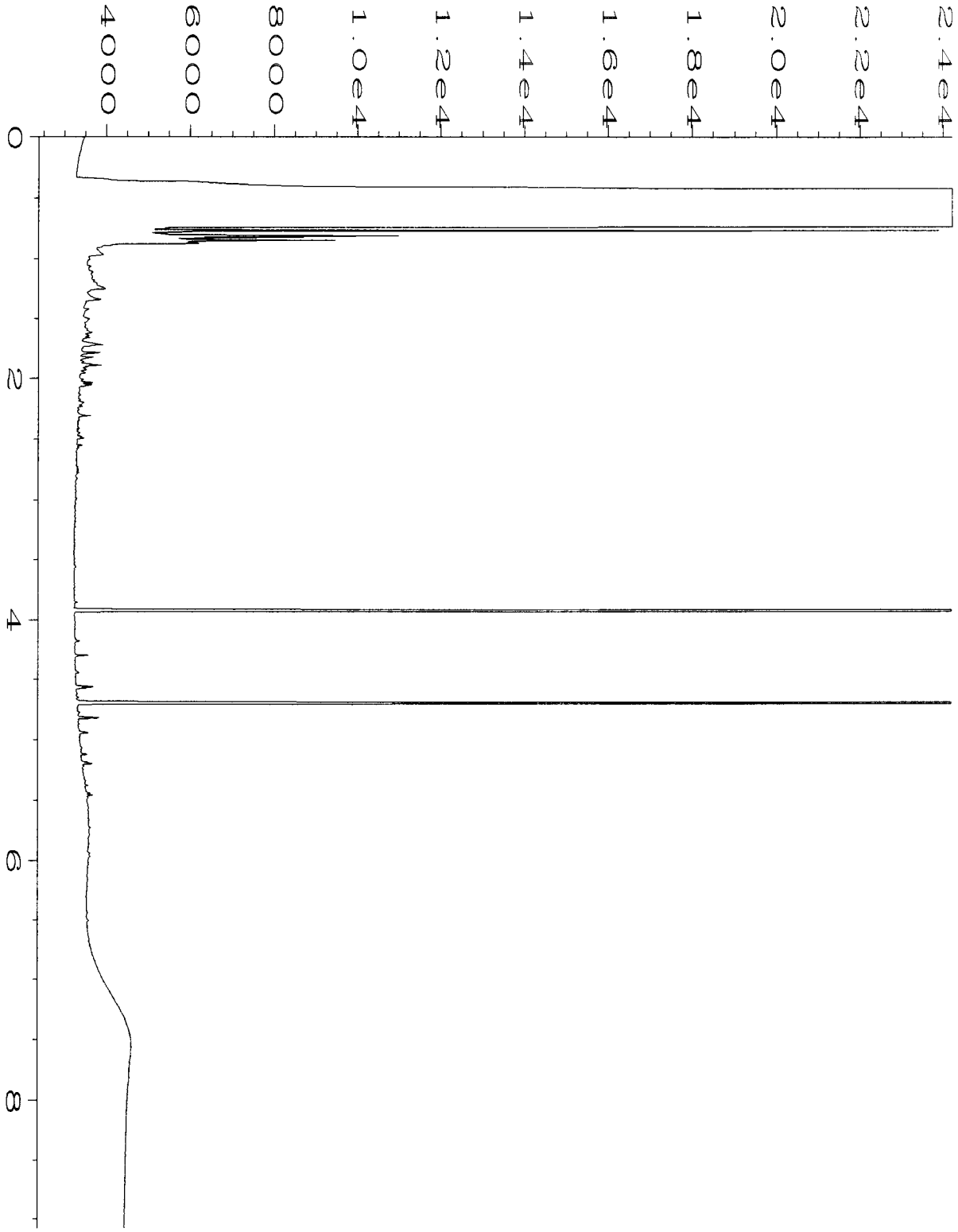
Data File Name : C:\HPCHEM\6\DATA\08-21-12\041F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208266-02
Run Time Bar Code:
Acquired on : 21 Aug 12 07:28 PM
Report Created on: 22 Aug 12 10:04 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\042F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208266-06
Run Time Bar Code:
Acquired on : 21 Aug 12 07:42 PM
Report Created on: 22 Aug 12 10:04 AM

Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\08-21-12\043F0601.D
Operator : ML
Instrument : GC #6
Sample Name : 208266-08
Run Time Bar Code:
Acquired on : 21 Aug 12 07:56 PM
Report Created on: 22 Aug 12 10:04 AM

Page Number : 1
Vial Number : 43
Injection Number : 1
Sequence Line : 6
Instrument Method: DX.MTH
Analysis Method : DX.MTH

208266

SAMPLE CHAIN OF CUSTODY ME 08-17-12

COC/VS3

Page # 1 of 2

Send Report To Tim Brown + Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature) Tim Brown and

PROJECT NAME/NO. ASKO Hydraulic Property 0440-004-26

PO # 01-600

REMARKS Hold all samples

EIM GEMS Y N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B260-0.5	B260	0.5	01 A-E	08/17/12	06:04	S	5									Hold
B260-02.5		2.5	02		0611			X	X	X	X					
B260-05		5	03		0617											
B260-07.5		7.5	04		0624											
B260-10		10	05		0630											
B260-12.5		12.5	06		0637			X	X	X	X					
B260-15		15	07		0643											
B260-17.5		17.5	08		0652			X	X	X	X					
B260-20		20	09		0658											
B260-22.5		22.5	10		0704											
B260-25		25	11		0710											
B260-27.5		27.5	12		0715											
B260-30		30	13		0723											

ANALYSES REQUESTED

X- per PK 08/21 @

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Luke Swart	SoundEarth	8/17/12	1355
Received by:	HONG NGUYEN	FBI	"	"
Relinquished by:				
Received by:				

Received at ____ °C

Received at 3 °C

FORMS\COC\SESGEMSR1.DOC (Revision 1)

208 266

SAMPLE CHAIN OF CUSTODY

ME 08-17-12

COS / USS

Page # 2 of 2

Send Report To Tim Bruya & Pete Kingston

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave East, Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.: Asko Hydraulic Project 0440-004-26

PO # 01-600

REMARKS: Hold all samples

EIM GEMS N

TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth (ft bgs)	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	CVOC's by 8260C	SVOC's by 8270	RCRA-8 Metals			Notes
B260-32.5	B260	32.5	14 A-E	08/17/12	0729	S	5									Hold
B260-35		35	15		0735											
B260-37.5		37.5	16		0739											
B260-40		40	17		0746											

TSB 08/17/12

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Luke Swart	SoundEarth	8/17/12	1355
Received by:	HONG NGUYEN	FBI	"	"
Relinquished by:				
Received by:				

Received at 3 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

September 14, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on September 6, 2012 from the TOC_01-600_20120906 WORFDB6, F&BI 209046 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0914R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 6, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120906 WORFDB6, F&BI 209046 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
209046-01	01MW92-20120905
209046-02	01MW94-20120905
209046-03	01MW93-20120905
209046-04	01MW95-20120905

All quality control requirements were acceptable.

Date of Report: 09/14/12
Date Received: 09/06/12
Project: TOC_01-600_20120906 WORFDB6, F&BI 209046
Date Extracted: 09/06/12
Date Analyzed: 09/07/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
01MW92-20120905 209046-01	<1	<1	<1	<3	220 x	92
01MW94-20120905 209046-02	<1	<1	<1	<3	<100	90
01MW93-20120905 209046-03	<1	<1	<1	<3	<100	91
01MW95-20120905 209046-04	<1	<1	<1	<3	<100	89
Method Blank 02-1595 MB	<1	<1	<1	<3	<100	96

Date of Report: 09/14/12
Date Received: 09/06/12
Project: TOC_01-600_20120906 WORFDB6, F&BI 209046
Date Extracted: 09/06/12
Date Analyzed: 09/06/12

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 51-134)
01MW92-20120905 209046-01	3,100 x	1,100 x	147
01MW94-20120905 209046-02	120 x	<250	139
01MW93-20120905 209046-03	<50	<250	129
01MW95-20120905 209046-04	<50	<250	129
Method Blank 02-1588 MB	<50	<250	94

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW92-20120905	Client:	SoundEarth Strategies
Date Received:	09/06/12	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/06/12	Lab ID:	209046-01
Date Analyzed:	09/06/12	Data File:	090623.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	9.4
Chloroethane	<1
1,1-Dichloroethene	3.3
Methylene chloride	<5
trans-1,2-Dichloroethene	3.8
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	120
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	320 ve
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW92-20120905	Client:	SoundEarth Strategies
Date Received:	09/06/12	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/10/12	Lab ID:	209046-01 1/10
Date Analyzed:	09/10/12	Data File:	091026.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	7.8 pr
Chloroethane	<10
1,1-Dichloroethene	<10
Methylene chloride	<50
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	120
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	300
Tetrachloroethene	<10

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW94-20120905	Client:	SoundEarth Strategies
Date Received:	09/06/12	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/06/12	Lab ID:	209046-02
Date Analyzed:	09/06/12	Data File:	090624.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW93-20120905	Client:	SoundEarth Strategies
Date Received:	09/06/12	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/06/12	Lab ID:	209046-03
Date Analyzed:	09/06/12	Data File:	090625.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	1.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	01MW95-20120905	Client:	SoundEarth Strategies
Date Received:	09/06/12	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/06/12	Lab ID:	209046-04
Date Analyzed:	09/06/12	Data File:	090622.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/10/12	Lab ID:	02-1613 mb
Date Analyzed:	09/10/12	Data File:	091020.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20120906, F&BI 209046
Date Extracted:	09/06/12	Lab ID:	02-1590 mb
Date Analyzed:	09/06/12	Data File:	090612.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Date of Report: 09/14/12
Date Received: 09/06/12
Project: TOC_01-600_20120906 WORFDB6, F&BI 209046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 208479-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	102	72-119
Toluene	ug/L (ppb)	50	98	71-113
Ethylbenzene	ug/L (ppb)	50	98	72-114
Xylenes	ug/L (ppb)	150	92	72-113
Gasoline	ug/L (ppb)	1,000	106	70-119

Date of Report: 09/14/12
Date Received: 09/06/12
Project: TOC_01-600_20120906 WORFDB6, F&BI 209046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	108	111	63-142	3

Date of Report: 09/14/12
Date Received: 09/06/12
Project: TOC_01-600_20120906 WORFDB6, F&BI 209046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 209046-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	109	76-124
Chloroethane	ug/L (ppb)	50	<1	103	69-123
1,1-Dichloroethene	ug/L (ppb)	50	<1	98	75-118
Methylene chloride	ug/L (ppb)	50	<5	93	64-120
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	100	75-119
1,1-Dichloroethane	ug/L (ppb)	50	<1	96	82-109
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	99	83-109
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	97	76-114
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	103	77-116
Trichloroethene	ug/L (ppb)	50	<1	98	79-105
Tetrachloroethene	ug/L (ppb)	50	<1	94	69-114

Date of Report: 09/14/12
Date Received: 09/06/12
Project: TOC_01-600_20120906 WORFDB6, F&BI 209046

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	119	119	73-126	0
Chloroethane	ug/L (ppb)	50	111	111	69-125	0
1,1-Dichloroethene	ug/L (ppb)	50	101	101	72-122	0
Methylene chloride	ug/L (ppb)	50	94	94	56-128	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	101	99	74-122	2
1,1-Dichloroethane	ug/L (ppb)	50	102	101	85-107	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	101	101	85-105	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	97	97	85-107	0
1,1,1-Trichloroethane	ug/L (ppb)	50	104	104	81-114	0
Trichloroethene	ug/L (ppb)	50	99	99	80-104	0
Tetrachloroethene	ug/L (ppb)	50	99	98	81-106	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

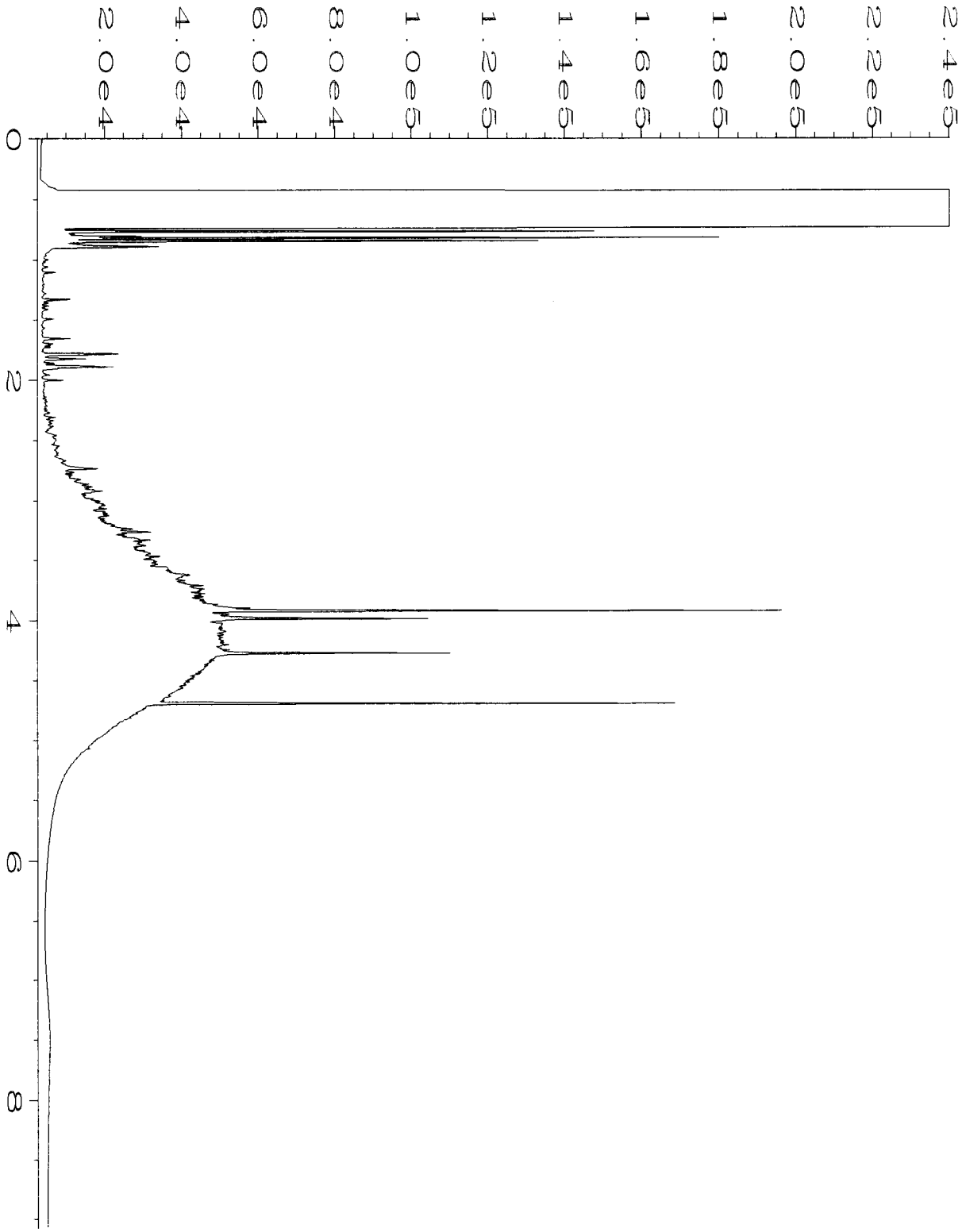
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

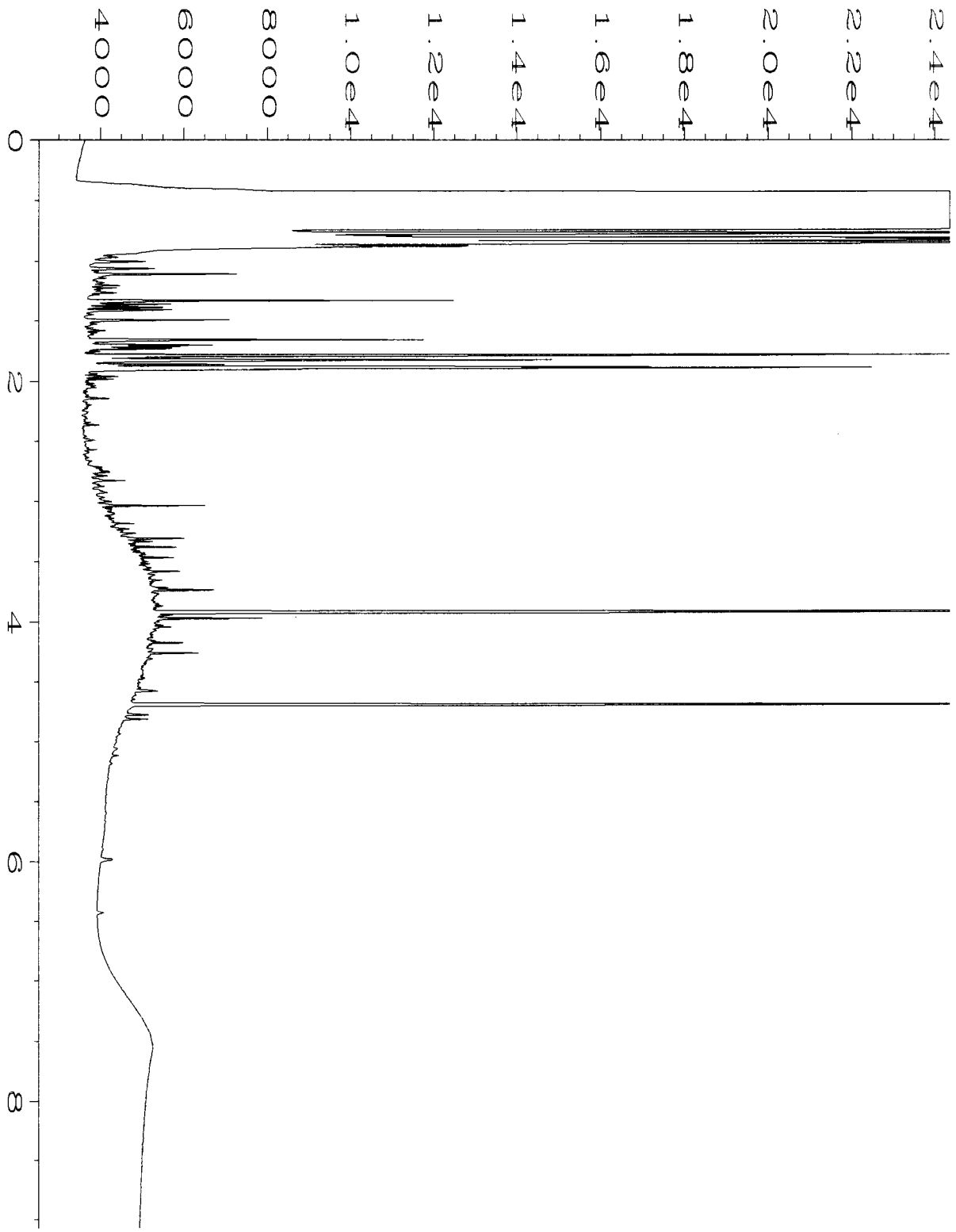
vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



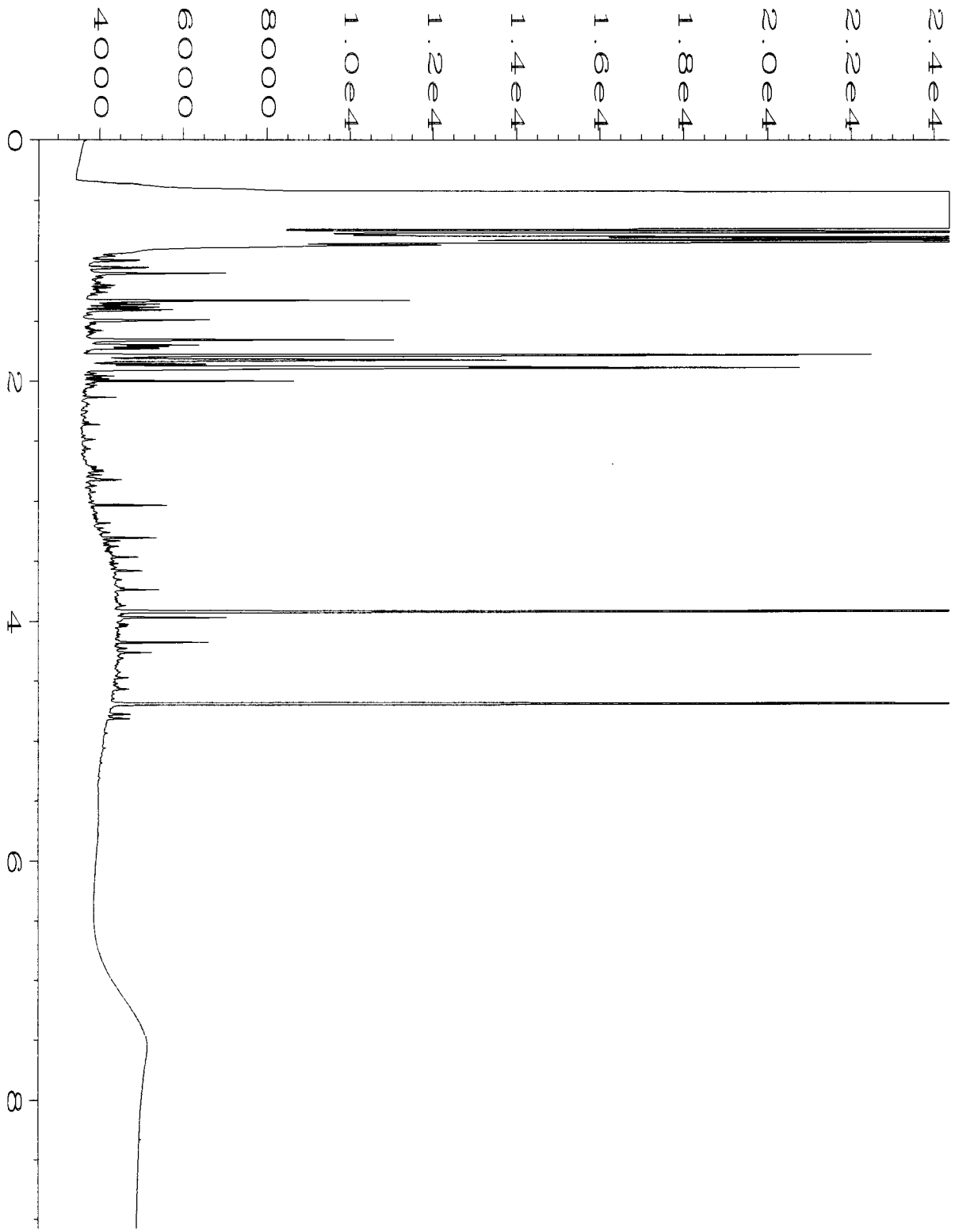
Data File Name : C:\HPCHEM\6\DATA\09-06-12\041F0901.D
Operator : ML
Instrument : GC #6
Sample Name : 209046-01
Run Time Bar Code:
Acquired on : 06 Sep 12 06:17 PM
Report Created on: 07 Sep 12 09:18 AM

Page Number : 1
Vial Number : 41
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH



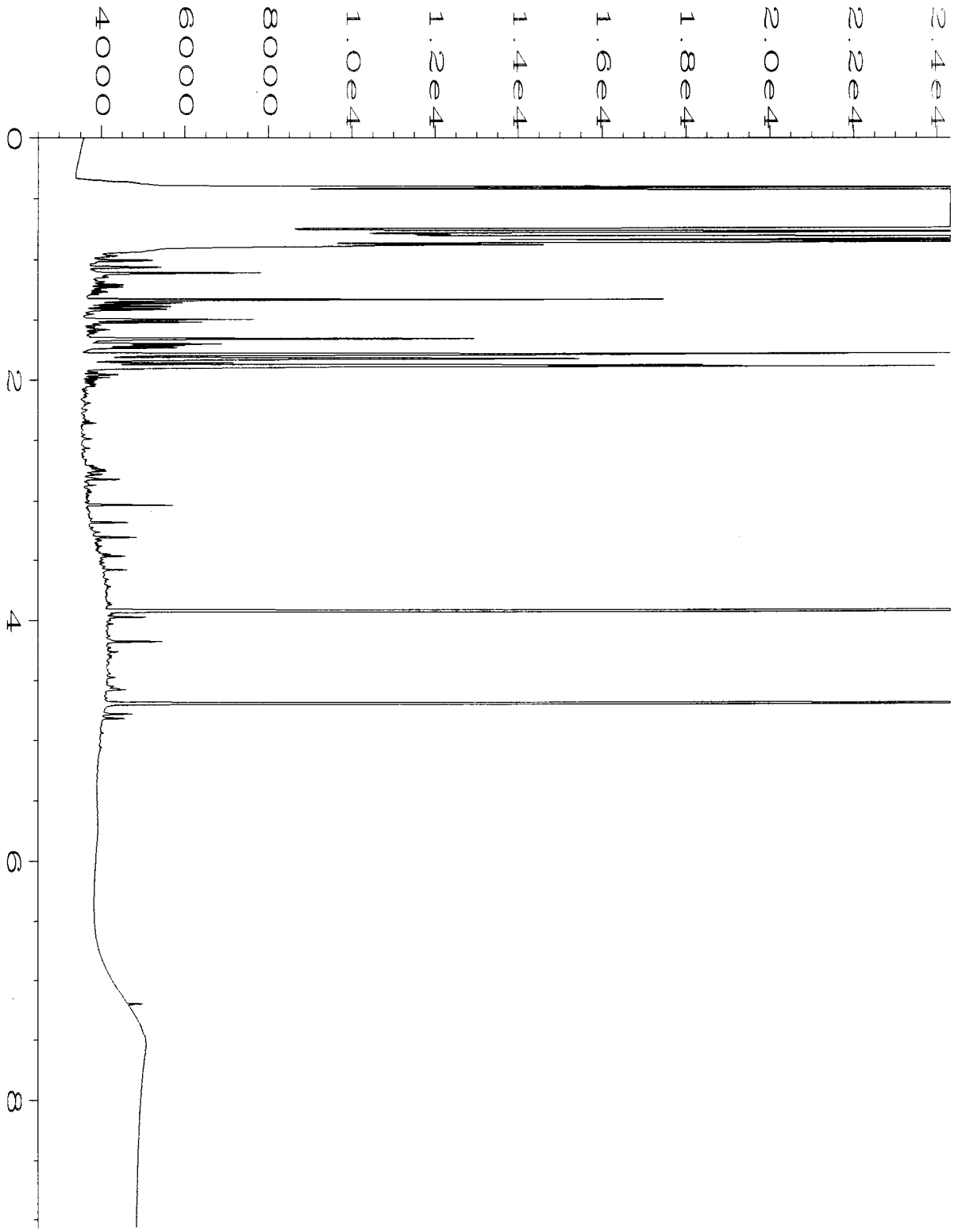
Data File Name : C:\HPCHEM\6\DATA\09-06-12\042F0901.D
Operator : ML
Instrument : GC #6
Sample Name : 209046-02
Run Time Bar Code:
Acquired on : 06 Sep 12 06:31 PM
Report Created on: 07 Sep 12 09:18 AM

Page Number : 1
Vial Number : 42
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH

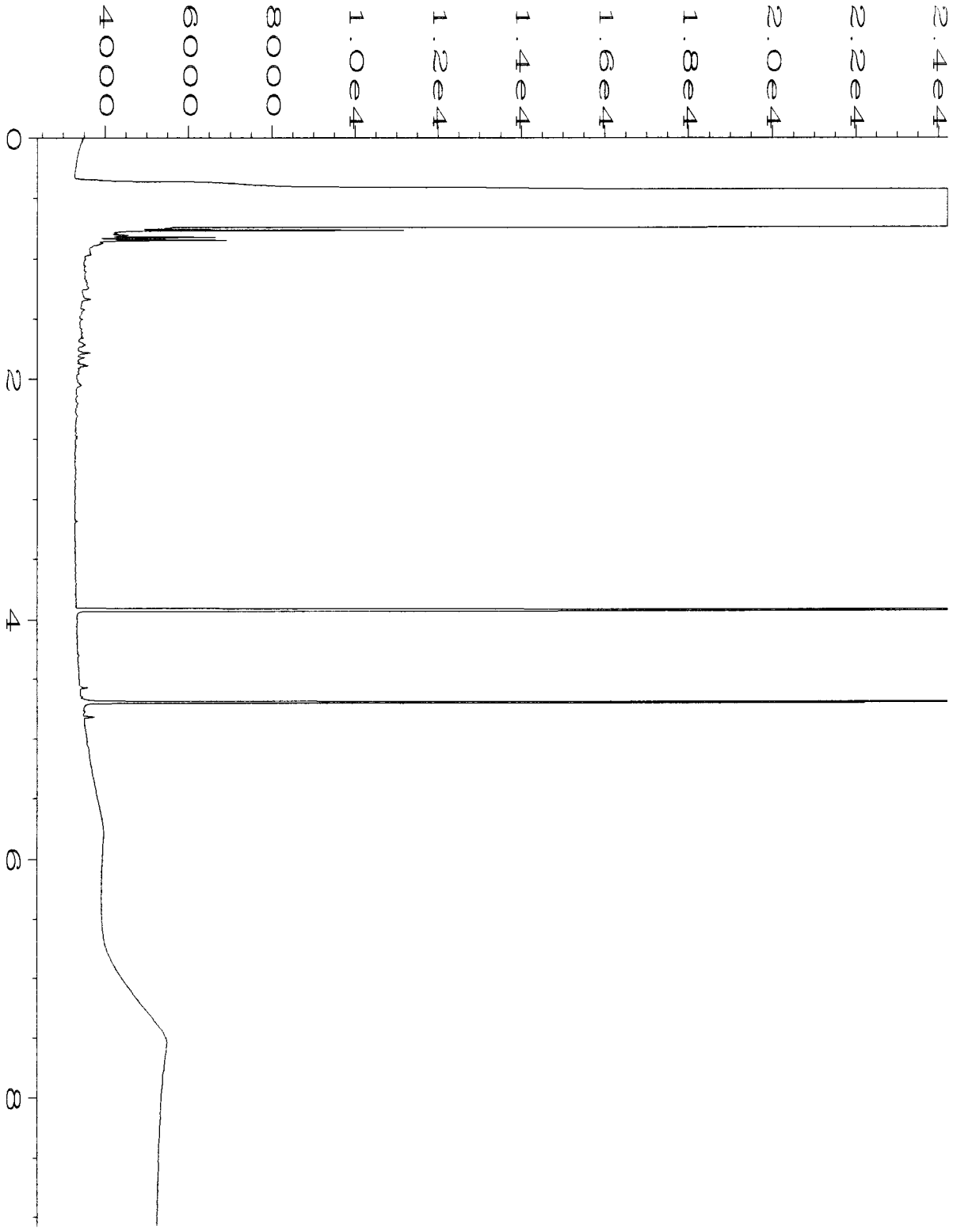


Data File Name : C:\HPCHEM\6\DATA\09-06-12\043F0901.D
Operator : ML
Instrument : GC #6
Sample Name : 209046-03
Run Time Bar Code:
Acquired on : 06 Sep 12 06:45 PM
Report Created on: 07 Sep 12 09:18 AM

Page Number : 1
Vial Number : 43
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH

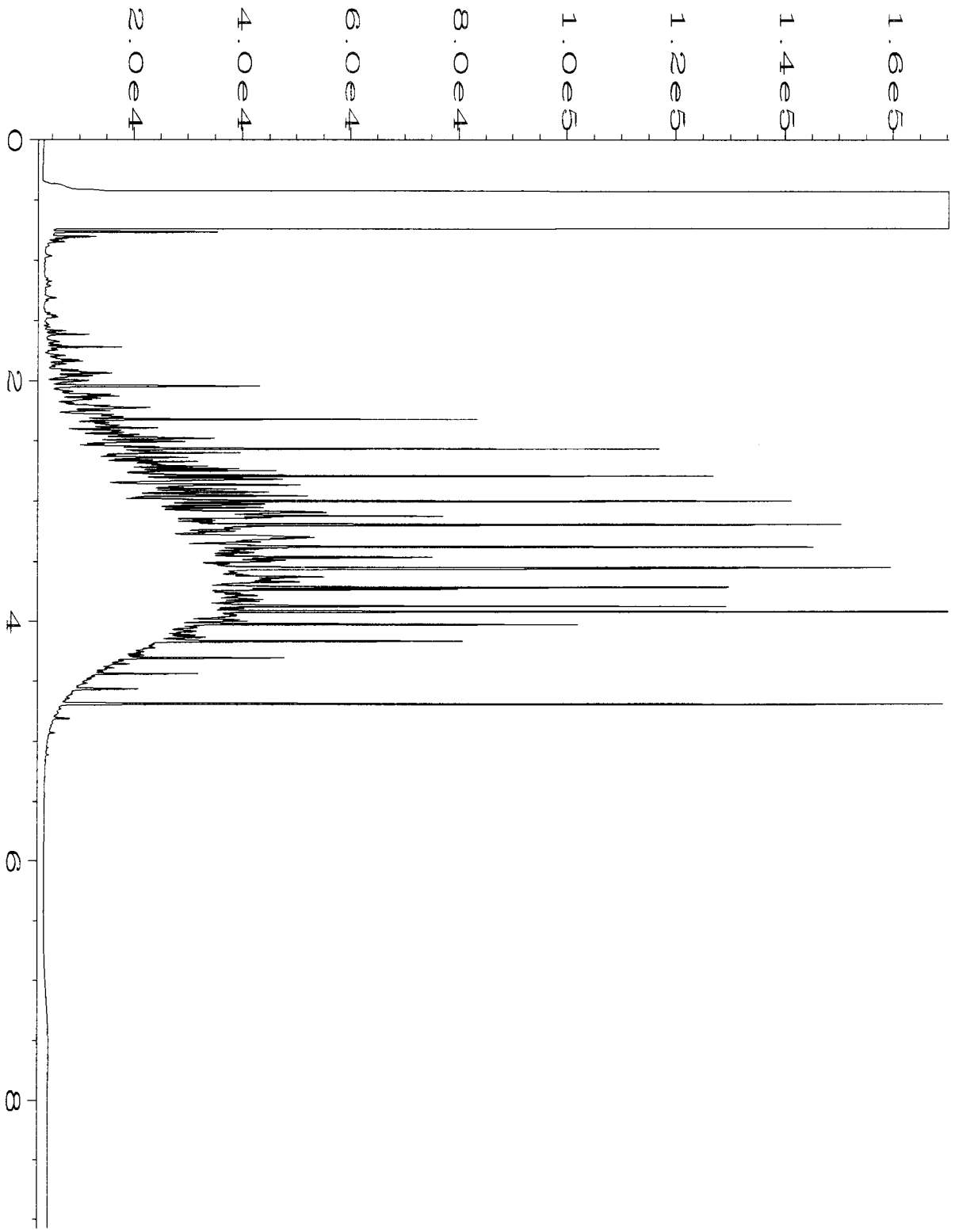


Data File Name	: C:\HPCHEM\6\DATA\09-06-12\044F0901.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 44
Sample Name	: 209046-04	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 9
Acquired on	: 06 Sep 12 06:59 PM	Instrument Method	: DX.MTH
Report Created on	: 07 Sep 12 09:18 AM	Analysis Method	: DX.MTH



Data File Name : C:\HPCHEM\6\DATA\09-06-12\015F0701.D
Operator : ML
Instrument : GC #6
Sample Name : 02-1585 MB
Run Time Bar Code:
Acquired on : 06 Sep 12 11:47 AM
Report Created on: 07 Sep 12 09:16 AM

Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name	: C:\HPCHEM\6\DATA\09-06-12\003F0201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 3
Sample Name	: 500 Dx 38-103C	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 06 Sep 12 06:56 AM	Instrument Method	: DX.MTH
Report Created on	: 07 Sep 12 09:16 AM	Analysis Method	: DX.MTH

209046

SAMPLE CHAIN OF CUSTODY

ME 09/06/12

V3/E03

Page # 1 of 1

Send Report To Pete Knyston

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Ste 2000

City, State, ZIP Seattle, WA 98102

Phone # 206 306 1900 Fax # 206 306 1907

SAMPLERS (signature)

PROJECT NAME/NO. 0440-004-26

PO #

REMARKS 48 hr. TAT

GEMS Y / (N)

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 2 day TAT

Rush charges authorized by: PJK

SAMPLE DISPOSAL
- ☒ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	cVOC's by 8260c	SVOC's by 8270	RCRA-8 Metals			Notes
01MW92-20120905	01MW92	13	01	9/05/12	1400	H_2O	6	X	X	X	X					
01MW94-20120905	01MW94	34	02		1510		6	X	X	X	X					01MW94-20120905
01MW93-20120905	01MW93	33	03		1605		6	X	X	X	X					
01MW95-20120905	01MW95	33	04		1658		6	X	X	X	X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Luke Swart	SES	9/6/12	0800
Received by:	Nhan Phan	FEBI	9/6/12	0800
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 5 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

October 1, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on September 21, 2012 from the TOC_01-600_20120921 WORFDB6, F&BI 209341 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU1001R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 21, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120921 WORFDB6, F&BI 209341 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
209341-01	L12-NE-EX30-BTM01-44
209341-02	L14-NW-EX30-ESW01-45
209341-03	M2-NE-EX30-SSW01-45
209341-04	I12-SE-EX30-NSW01-45
209341-05	J10-NW-EX30-ESW01-37
209341-06	G9-SE-EX30-ESW01-36

All quality control requirements were acceptable.

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341
Date Extracted: 09/24/12
Date Analyzed: 09/25/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
L12-NE-EX30-BTM01-44 209341-01	<0.02	<0.02	0.11	0.25	73	87
L14-NW-EX30-ESW01-45 209341-02 1/5	<0.02 j	<0.1	0.69	2.7	290	89
M2-NE-EX30-SSW01-45 209341-03	0.046	0.074	0.059	0.30	16	86
I12-SE-EX30-NSW01-45 209341-04	<0.02	<0.02	0.080	0.42	5.7	88
J10-NW-EX30-ESW01-37 209341-05	<0.02	<0.02	0.12	0.64	84	83
G9-SE-EX30-ESW01-36 209341-06	<0.02	<0.02	0.12	0.32	84	83
Method Blank 02-1757 MB	<0.02	<0.02	<0.02	<0.06	<2	90

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341
Date Extracted: 09/21/12
Date Analyzed: 09/23/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
L12-NE-EX30-BTM01-44 209341-01	3,800	710	100
L14-NW-EX30-ESW01-45 209341-02	2,200	1,200	103
M2-NE-EX30-SSW01-45 209341-03	1,100	<250	103
I12-SE-EX30-NSW01-45 209341-04	<50	<250	105
J10-NW-EX30-ESW01-37 209341-05	5,700	790	92
G9-SE-EX30-ESW01-36 209341-06	1,300	430	89
Method Blank 02-1753 MB	<50	<250	101

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 209335-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	81	66-121
Toluene	mg/kg (ppm)	0.5	93	72-128
Ethylbenzene	mg/kg (ppm)	0.5	93	69-132
Xylenes	mg/kg (ppm)	1.5	94	69-131
Gasoline	mg/kg (ppm)	20	95	61-153

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 209338-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	106	106	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	108	58-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

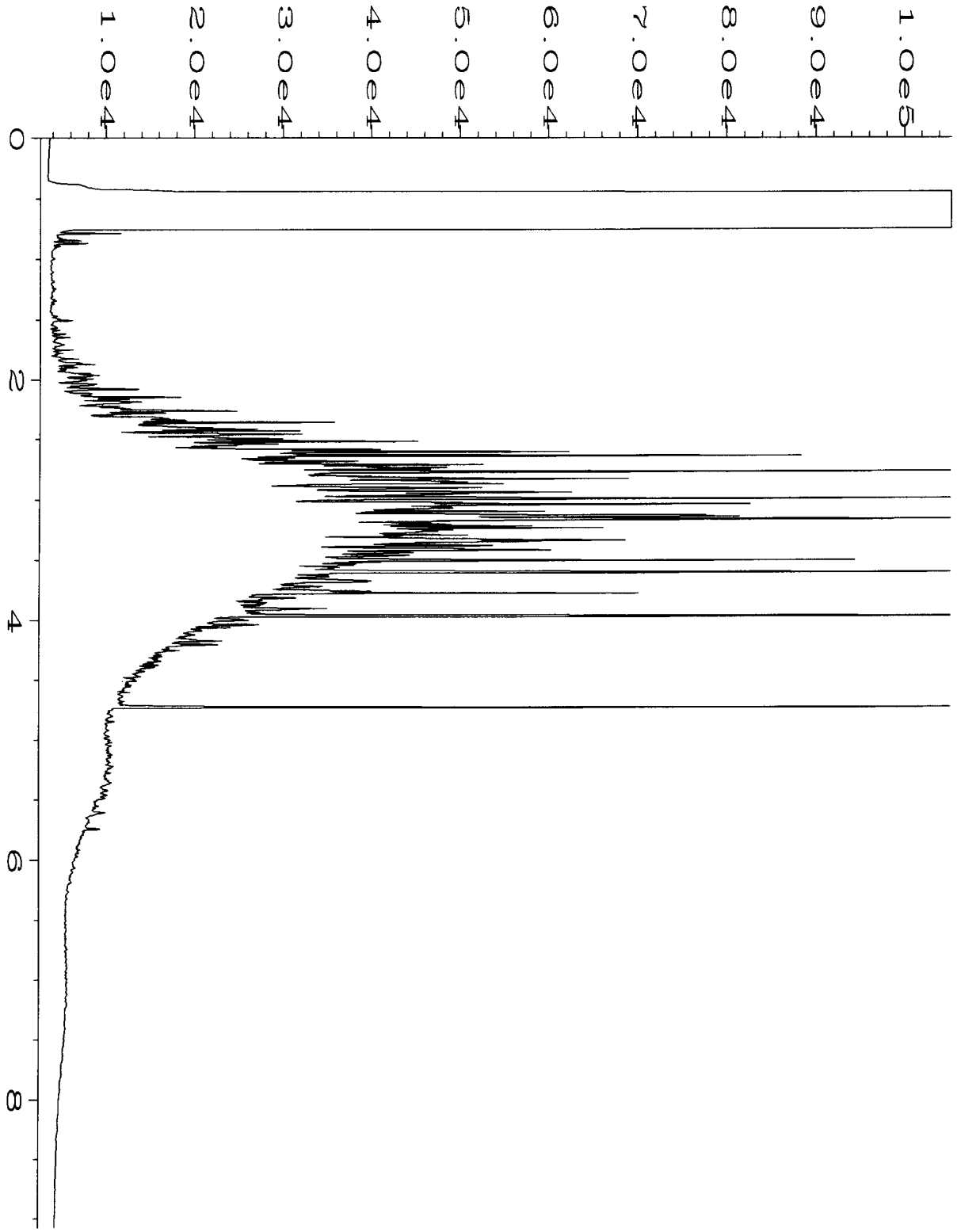
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

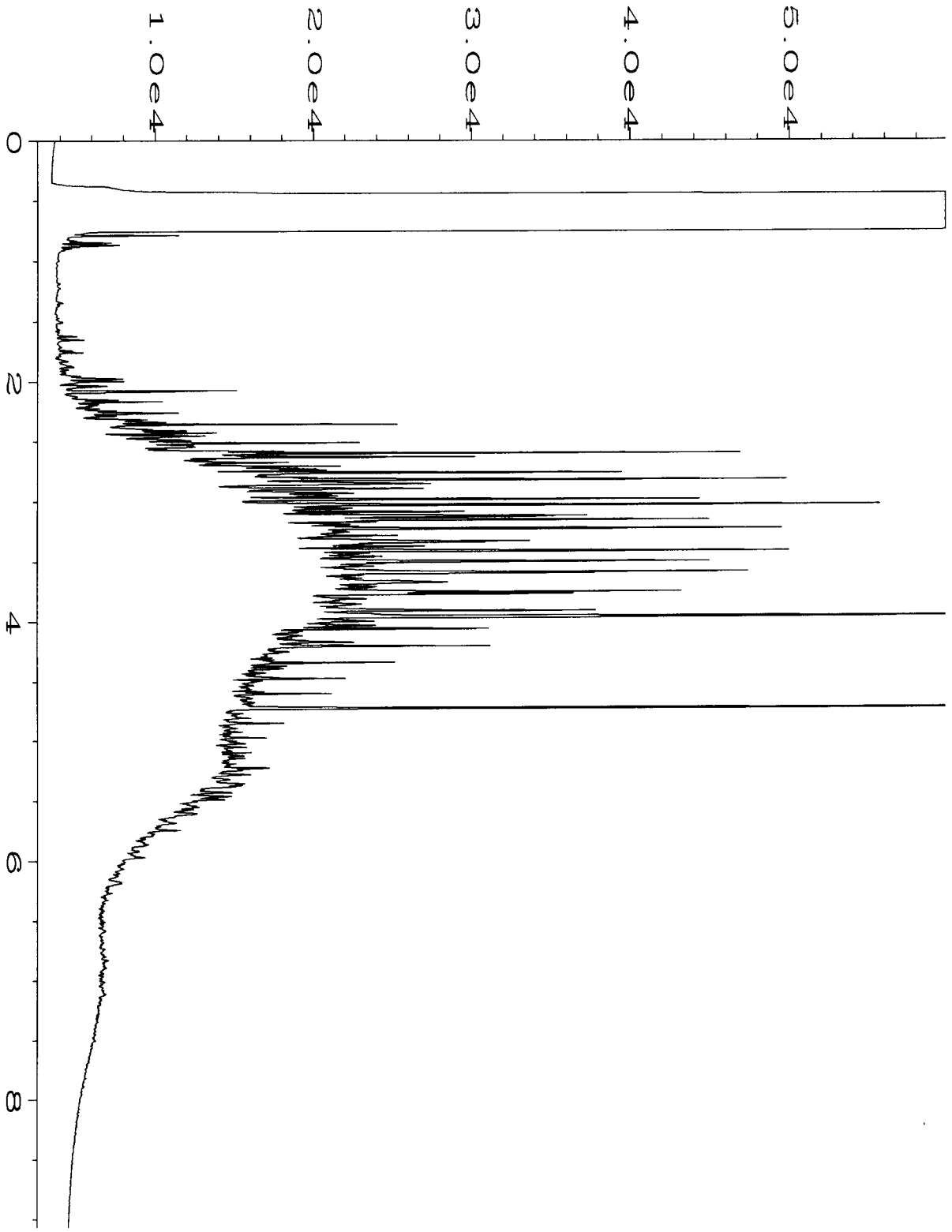
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

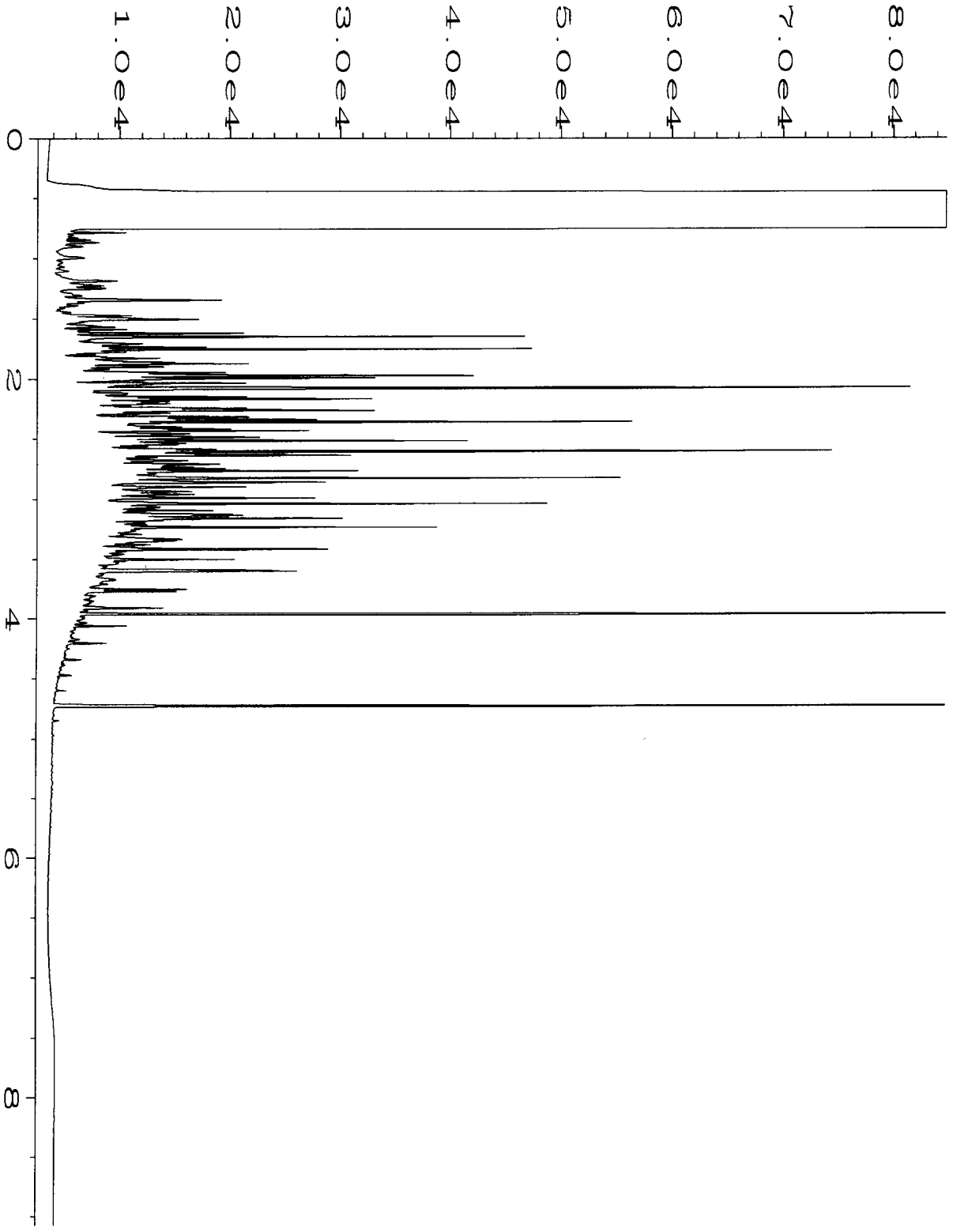
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



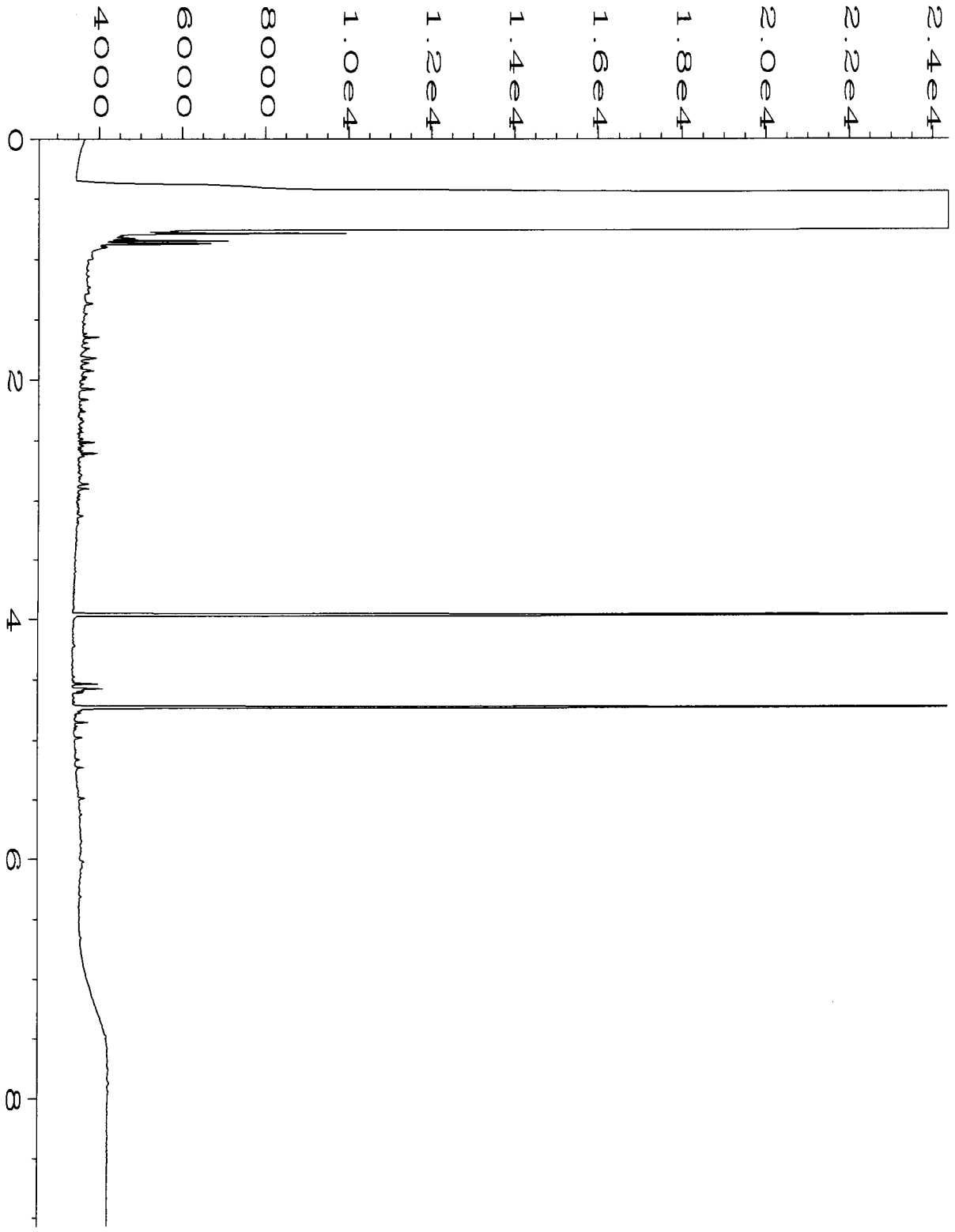
Data File Name	: C:\HPCHEM\6\DATA\09-23-12\012F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 12
Sample Name	: 209341-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Sep 12 04:27 PM	Instrument Method	: DX.MTH
Report Created on	: 24 Sep 12 10:09 AM	Analysis Method	: DX.MTH



Data File Name	: C:\HPCHEM\6\DATA\09-23-12\013F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 13
Sample Name	: 209341-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Sep 12 04:41 PM	Instrument Method	: DX.MTH
Report Created on	: 24 Sep 12 10:09 AM	Analysis Method	: DX.MTH

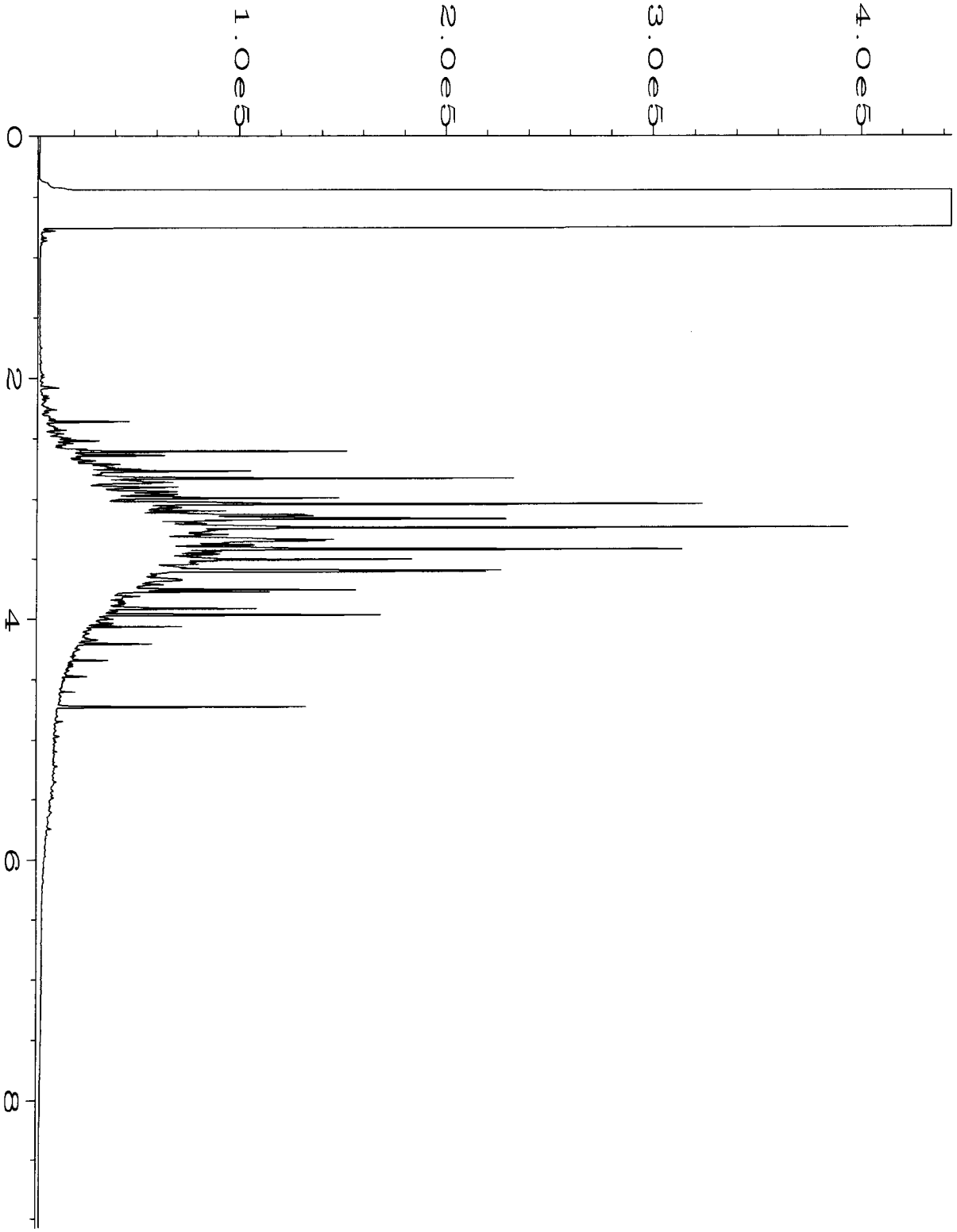


Data File Name	: C:\HPCHEM\6\DATA\09-23-12\014F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 14
Sample Name	: 209341-03	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Sep 12 04:55 PM	Instrument Method	: DX.MTH
Report Created on	: 24 Sep 12 10:10 AM	Analysis Method	: DX.MTH

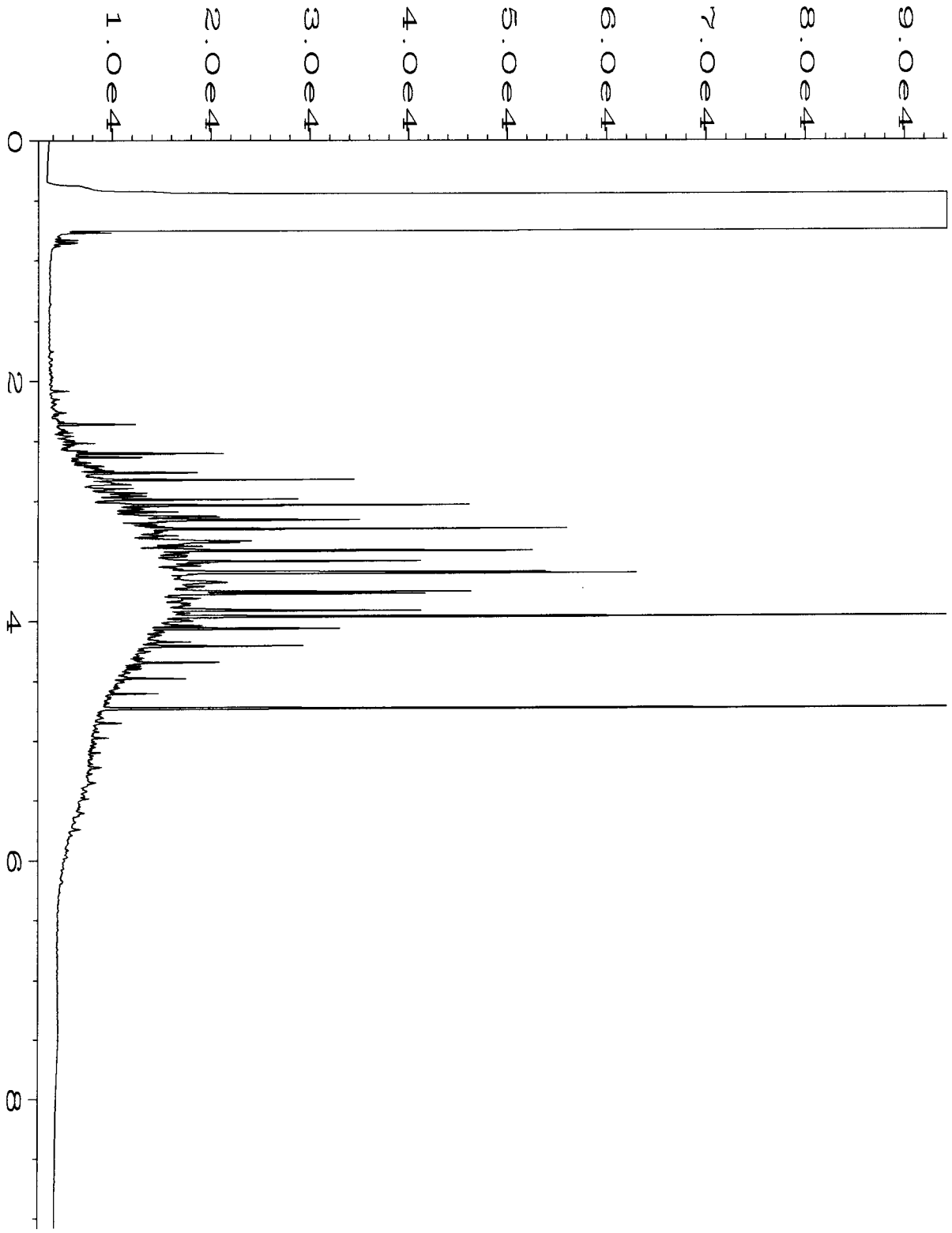


Data File Name : C:\HPCHEM\6\DATA\09-23-12\015F0301.D
Operator : ML
Instrument : GC #6
Sample Name : 209341-04
Run Time Bar Code:
Acquired on : 23 Sep 12 05:08 PM
Report Created on: 24 Sep 12 10:10 AM

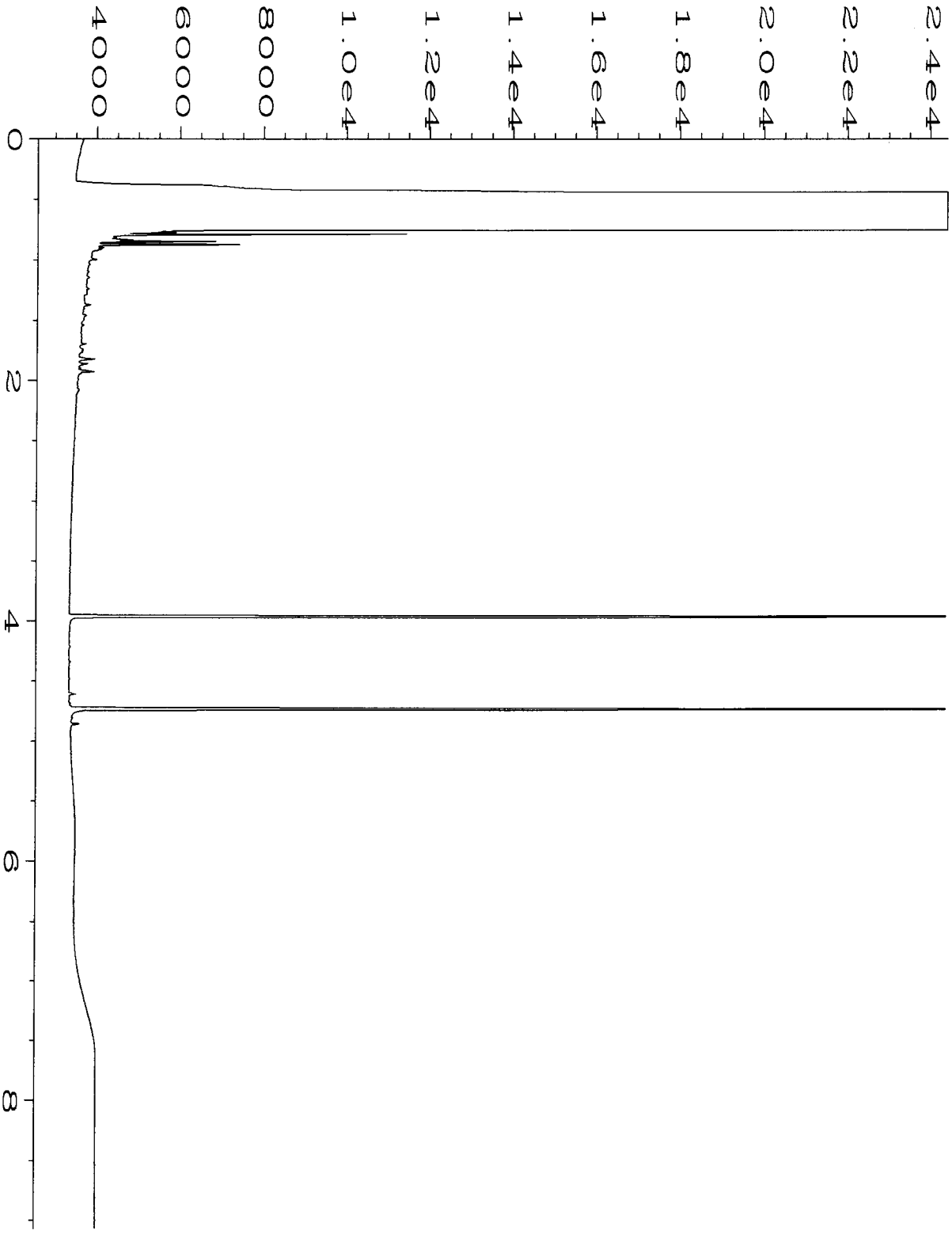
Page Number : 1
Vial Number : 15
Injection Number : 1
Sequence Line : 3
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name	: C:\HPCHEM\6\DATA\09-23-12\016F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 16
Sample Name	: 209341-05	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Sep 12 05:22 PM	Instrument Method	: DX.MTH
Report Created on	: 24 Sep 12 10:10 AM	Analysis Method	: DX.MTH

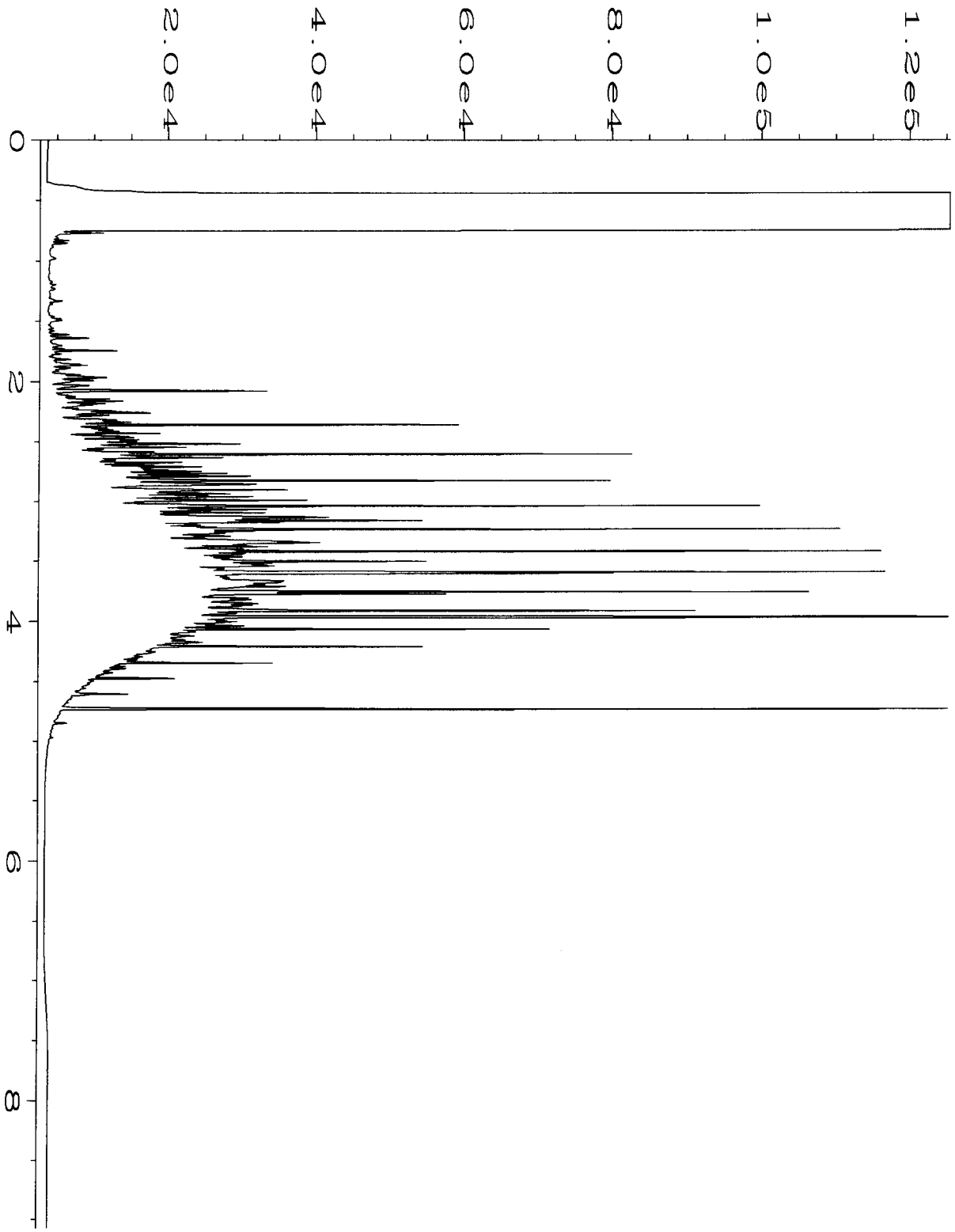


Data File Name	: C:\HPCHEM\6\DATA\09-23-12\017F0301.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 17
Sample Name	: 209341-06	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 3
Acquired on	: 23 Sep 12 05:35 PM	Instrument Method	: DX.MTH
Report Created on	: 24 Sep 12 10:10 AM	Analysis Method	: DX.MTH



Data File Name : C:\HPCHEM\6\DATA\09-21-12\067F0901.D
Operator : ML
Instrument : GC #6
Sample Name : 02-1753 mb
Run Time Bar Code:
Acquired on : 21 Sep 12 11:56 PM
Report Created on: 24 Sep 12 10:09 AM

Page Number : 1
Vial Number : 67
Injection Number : 1
Sequence Line : 9
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name	: C:\HPCHEM\6\DATA\09-23-12\003F0201.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 3
Sample Name	: 500 Dx 38-103C	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 23 Sep 12 02:52 PM	Instrument Method	: DX.MTH
Report Created on	: 24 Sep 12 10:09 AM	Analysis Method	: DX.MTH

209341

SAMPLE CHAIN OF CUSTODY ME 09-21-12

B01/V82

Page # 1 of 1

Send Report To Tim Brown, cc: Jessica Brown, Audrey Hackett, Jennifer Cyr

Company SoundEarth Strategies, Inc.

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO. TOC Holdings Co. Facility No. 01-600 Seattle Terminal

PO # 01-600

REMARKS

EIM Y / N

TURNAROUND TIME
(X) Standard (2 Weeks)
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Sample Location	Sample Depth or Elevation	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	DRPH and ORPH by NWTPH-Dx	BTEX by 8021B	Notes
L12-NE-EX03-BMW01-44	EX03	44	01A-E	9/21/12	1035	Soil	5	X	X	X	
L14-NW-EX03-ESW01-45		45	02		1043		5	X	X	X	
M2-NE-EX03-SSW01-45		45	03		1205		5	X	X	X	
T12-SE-EX03-NSW01-45		45	04		1210		5	X	X	X	
J10-NW-EX03-ESW01-37		37	05		1220		5	X	X	X	
G9-SE-EX03-ESW01-36		36	06		1235		5	X	X	X	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Fikkert	SES	9/21/12	1405
Received by:	DOVO	F&BD	"	"
Relinquished by:				
Received by:		Samples received at 5 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

October 3, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included is the amended report from the testing of material submitted on September 21, 2012 from the TOC_01-600_20120921 WORFDB6, F&BI 209341 project. There are 6 pages included in this report. The sample IDs have been corrected.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU1001R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

October 1, 2012

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on September 21, 2012 from the TOC_01-600_20120921 WORFDB6, F&BI 209341 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU1001R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 21, 2012 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20120921 WORFDB6, F&BI 209341 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
209341-01	L12-NE-EX03-BTM01-44
209341-02	L14-NW-EX03-ESW01-45
209341-03	N12-NE-EX03-SSW01-45
209341-04	I12-SE-EX03-NSW01-45
209341-05	J10-NW-EX03-ESW01-37
209341-06	G9-SE-EX03-ESW01-36

All quality control requirements were acceptable.

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341
Date Extracted: 09/24/12
Date Analyzed: 09/25/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
L12-NE-EX03-BTM01-44 209341-01	<0.02	<0.02	0.11	0.25	73	87
L14-NW-EX03-ESW01-45 209341-02 1/5	<0.02 j	<0.1	0.69	2.7	290	89
N12-NE-EX03-SSW01-45 209341-03	0.046	0.074	0.059	0.30	16	86
I12-SE-EX03-NSW01-45 209341-04	<0.02	<0.02	0.080	0.42	5.7	88
J10-NW-EX03-ESW01-37 209341-05	<0.02	<0.02	0.12	0.64	84	83
G9-SE-EX03-ESW01-36 209341-06	<0.02	<0.02	0.12	0.32	84	83
Method Blank 02-1757 MB	<0.02	<0.02	<0.02	<0.06	<2	90

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341
Date Extracted: 09/21/12
Date Analyzed: 09/23/12

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
L12-NE-EX03-BTM01-44 209341-01	3,800	710	100
L14-NW-EX03-ESW01-45 209341-02	2,200	1,200	103
N12-NE-EX03-SSW01-45 209341-03	1,100	<250	103
I12-SE-EX03-NSW01-45 209341-04	<50	<250	105
J10-NW-EX03-ESW01-37 209341-05	5,700	790	92
G9-SE-EX03-ESW01-36 209341-06	1,300	430	89
Method Blank 02-1753 MB	<50	<250	101

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 209335-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	81	66-121
Toluene	mg/kg (ppm)	0.5	93	72-128
Ethylbenzene	mg/kg (ppm)	0.5	93	69-132
Xylenes	mg/kg (ppm)	1.5	94	69-131
Gasoline	mg/kg (ppm)	20	95	61-153

Date of Report: 10/01/12
Date Received: 09/21/12
Project: TOC_01-600_20120921 WORFDB6, F&BI 209341

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 209338-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	106	106	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	108	58-147

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

May 15, 2013

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the results from the testing of material submitted on May 7, 2013 from the TOC_01-600_20130507 WORFDB7, F&BI 305124 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Pete Kingston
SOU0515R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 7, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20130507 WORFDB7, F&BI 305124 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
305124-01	B264-02.5
305124-02	B264-05
305124-03	B264-07.5
305124-04	B264-10
305124-05	B264-12.5
305124-06	B264-15
305124-07	B264-21
305124-08	B265-03
305124-09	B265-06
305124-10	B265-08.5
305124-11	B265-11
305124-12	B265-16
305124-13	B266-03.5
305124-14	B266-06
305124-15	B266-08
305124-16	B266-11
305124-17	B266-13
305124-18	B266-16

All quality control requirements were acceptable.

Date of Report: 05/15/13
Date Received: 05/07/13
Project: TOC_01-600_20130507 WORFDB7, F&BI 305124
Date Extracted: 05/08/13
Date Analyzed: 05/08/13

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B264-02.5 305124-01	<0.02	<0.02	<0.02	<0.06	30	95
B264-07.5 305124-03	<0.02	<0.02	<0.02	<0.06	16	94
B264-10 305124-04	<0.02	<0.02	<0.02	<0.06	<2	91
B265-03 305124-08	<0.02	<0.02	<0.02	<0.06	<2	95
B265-06 305124-09	<0.02	<0.02	<0.02	<0.06	2.2	92
B265-11 305124-11	<0.02	<0.02	<0.02	<0.06	3.2	98
B266-03.5 305124-13	<0.02	<0.02	<0.02	<0.06	<2	96
B266-06 305124-14	<0.02	<0.02	0.33	0.56	130	99
B266-08 305124-15	<0.02	<0.02	<0.02	<0.06	<2	94
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	88

Date of Report: 05/15/13
Date Received: 05/07/13
Project: TOC_01-600_20130507 WORFDB7, F&BI 305124
Date Extracted: 05/09/13
Date Analyzed: 05/09/13

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B264-02.5 305124-01	<50	<250	105
B264-07.5 305124-03	68	<250	109
B264-10 305124-04	<50	<250	103
B265-03 305124-08	<50	<250	108
B265-06 305124-09	<50	<250	108
B265-11 305124-11	<50	<250	104
B266-03.5 305124-13	<50	<250	118
B266-06 305124-14	4,100	1,100	114
B266-08 305124-15	<50	<250	107
Method Blank 03-846 MB2	<50	<250	120

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B264-02.5	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-01
Date Analyzed:	05/08/13	Data File:	050833.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B264-07.5	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-03
Date Analyzed:	05/08/13	Data File:	050834.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B264-10	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-04
Date Analyzed:	05/08/13	Data File:	050835.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B265-03	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-08
Date Analyzed:	05/08/13	Data File:	050836.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.098
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B265-06	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-09
Date Analyzed:	05/08/13	Data File:	050837.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.12
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B265-11	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-11
Date Analyzed:	05/08/13	Data File:	050838.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.071
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	7.9
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B266-03.5	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-13
Date Analyzed:	05/08/13	Data File:	050839.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	104	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B266-06	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-14
Date Analyzed:	05/09/13	Data File:	050842.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.55
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B266-08	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	305124-15
Date Analyzed:	05/08/13	Data File:	050840.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.12
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/08/13	Lab ID:	03-0785 mb
Date Analyzed:	05/08/13	Data File:	050808.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 05/15/13
Date Received: 05/07/13
Project: TOC_01-600_20130507 WORFDB7, F&BI 305124

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 305107-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	83	69-120
Toluene	mg/kg (ppm)	0.5	82	70-117
Ethylbenzene	mg/kg (ppm)	0.5	86	65-123
Xylenes	mg/kg (ppm)	1.5	85	66-120
Gasoline	mg/kg (ppm)	20	90	71-131

Date of Report: 05/15/13
Date Received: 05/07/13
Project: TOC_01-600_20130507 WORFDB7, F&BI 305124

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 305107-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	114	122	73-135	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	119	74-139

Date of Report: 05/15/13
Date Received: 05/07/13
Project: TOC_01-600_20130507 WORFDB7, F&BI 305124

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 305144-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	37	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	50	10-101
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	53	11-103
Methylene chloride	mg/kg (ppm)	2.5	<0.5	62	14-128
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	13-112
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	64	23-115
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	69	25-120
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	71	22-124
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	67	27-112
Trichloroethene	mg/kg (ppm)	2.5	<0.03	69	30-112
Tetrachloroethene	mg/kg (ppm)	2.5	0.70	78	27-110

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	65	65	42-107	0
Chloroethane	mg/kg (ppm)	2.5	73	72	47-115	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	80	82	65-110	2
Methylene chloride	mg/kg (ppm)	2.5	67	70	62-119	4
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	87	87	71-113	0
1,1-Dichloroethane	mg/kg (ppm)	2.5	87	87	76-109	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	90	77-110	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	91	93	80-109	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	91	94	72-116	3
Trichloroethene	mg/kg (ppm)	2.5	89	89	72-107	0
Tetrachloroethene	mg/kg (ppm)	2.5	92	93	77-110	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

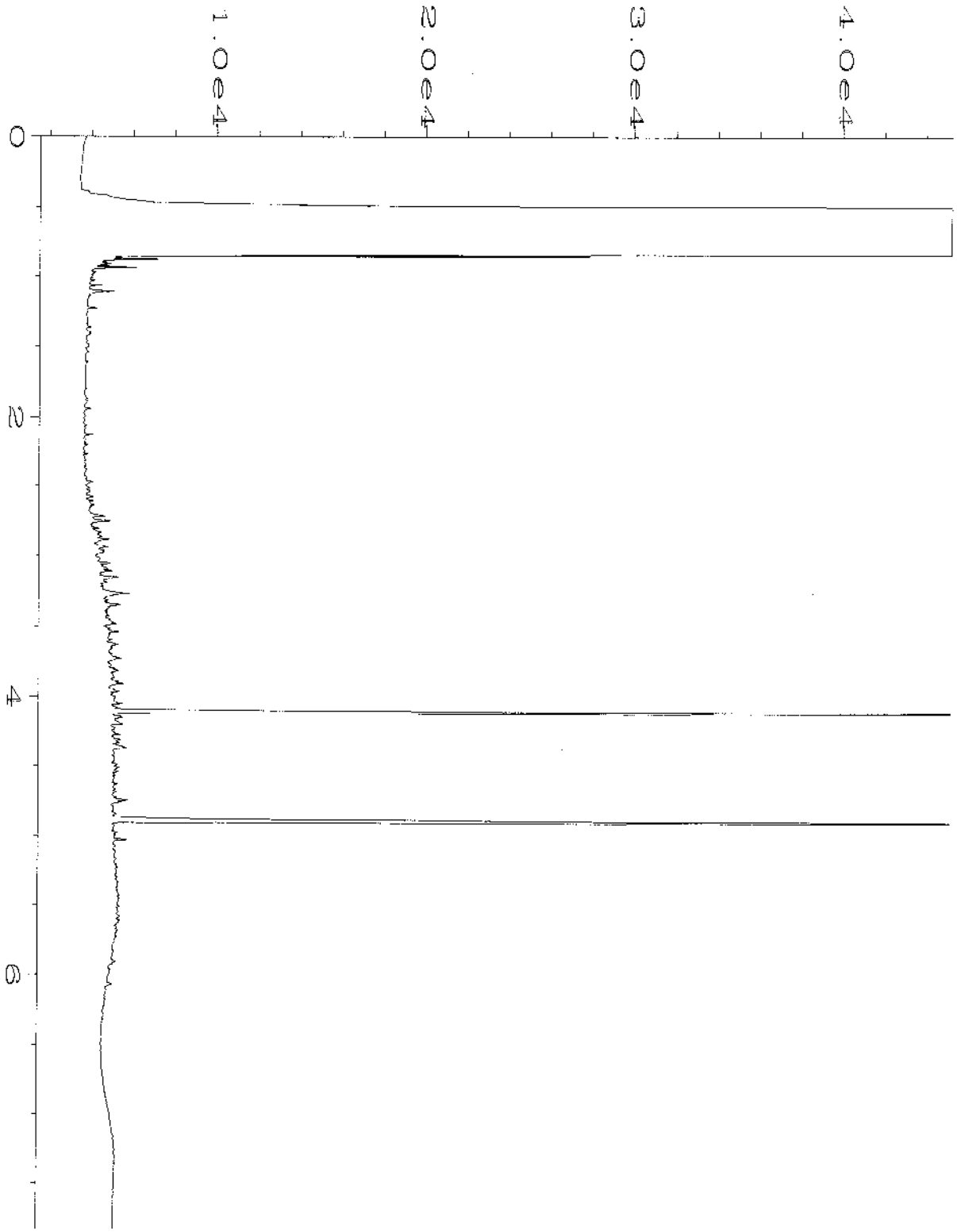
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



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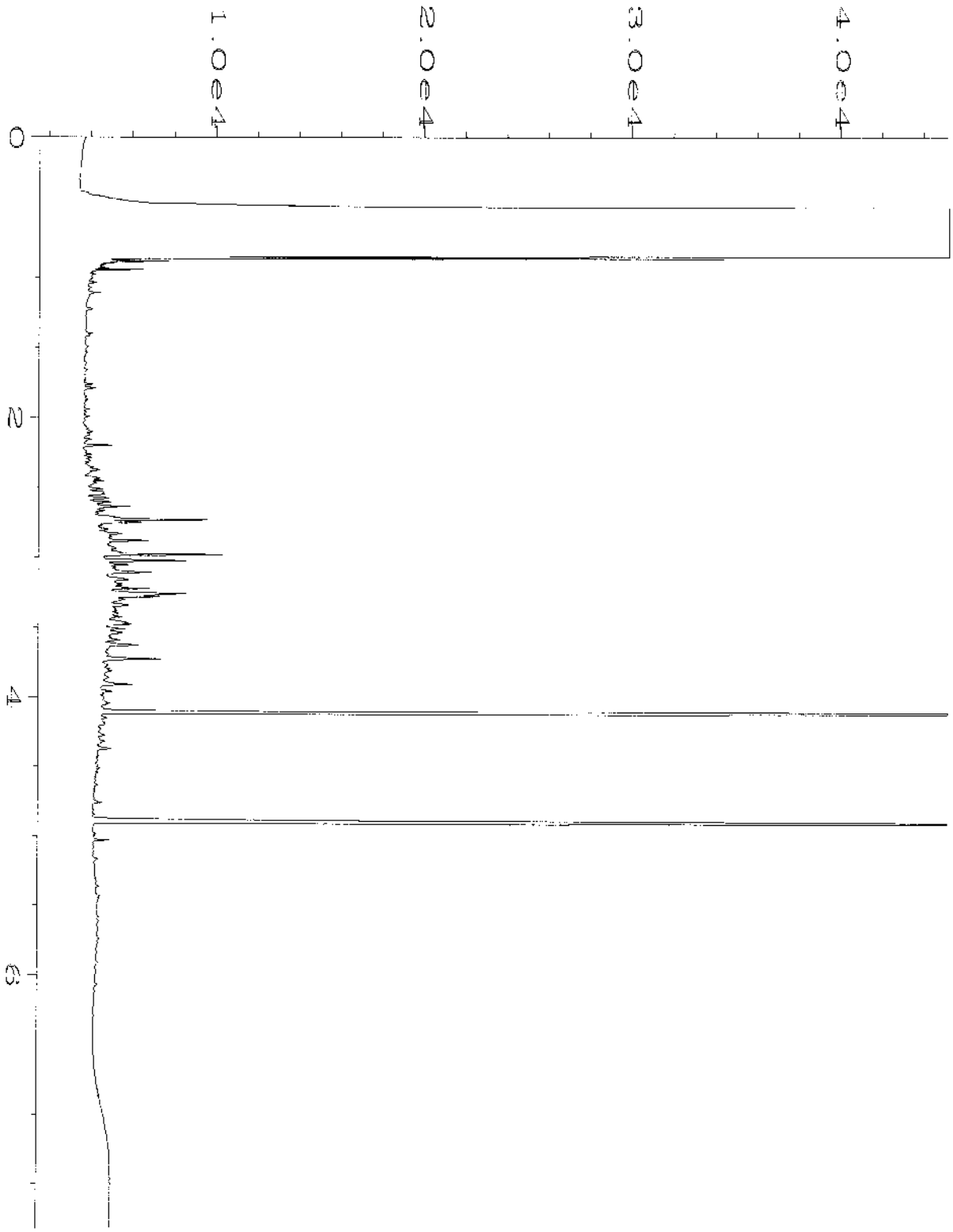
Operator : mwdl
Instrument : GC #6
Sample Name : 305124-01
Run Time Bar Code:
Acquired on : 09 May 13 04:48 PM
Report Created on: 10 May 13 09:13 AM

Page Number : 1
Vial Number : 31
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH



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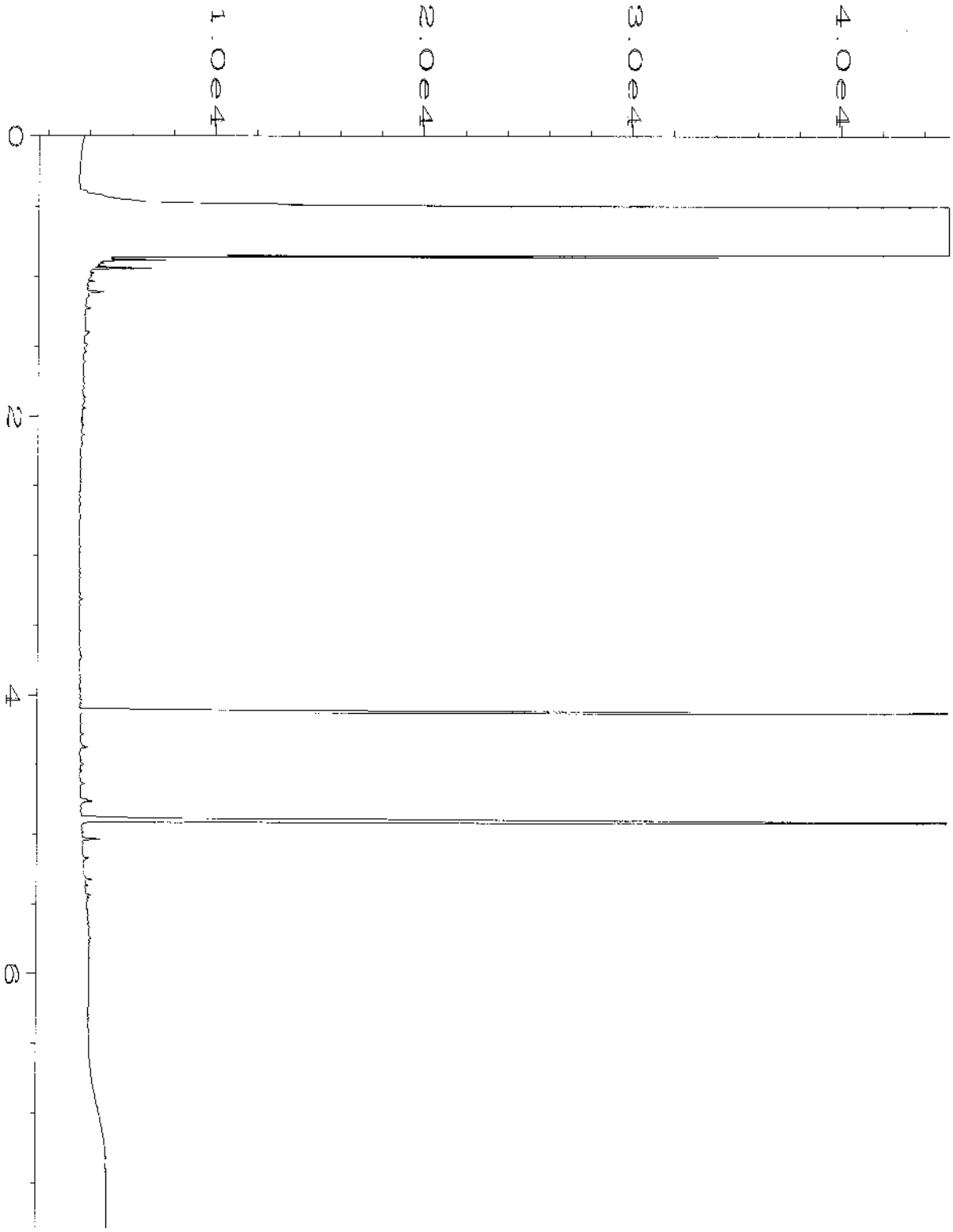
Report Created on	: 10 May 13 09:13 AM	Analysis Method	: DX.MTH



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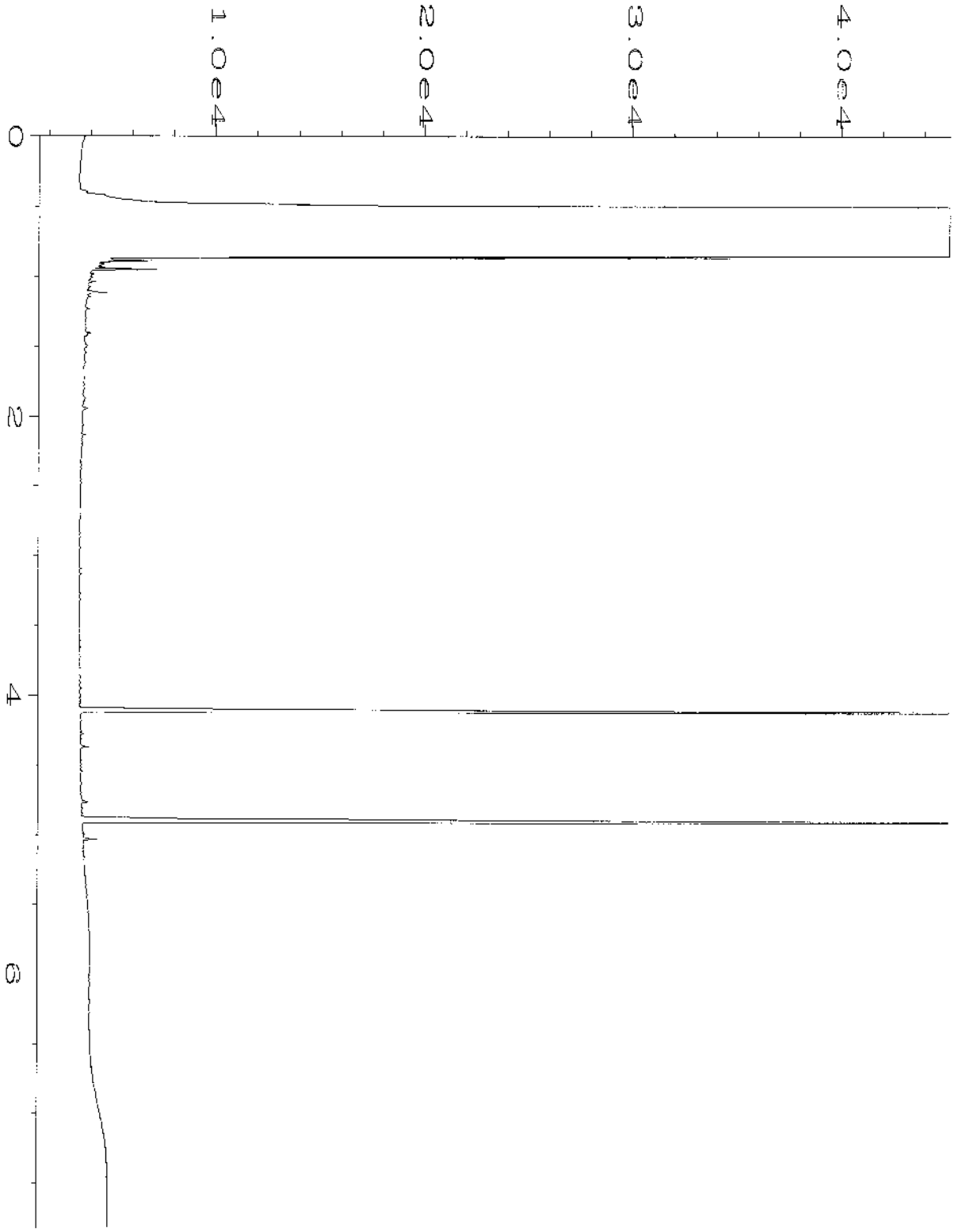
Instrument	: GC #6	Vial Number	: 33
Sample Name	: 305124-04	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 09 May 13 05:14 PM	Instrument Method	: DX.MTH
Report Created on	: 10 May 13 09:13 AM	Analysis Method	: DX.MTH



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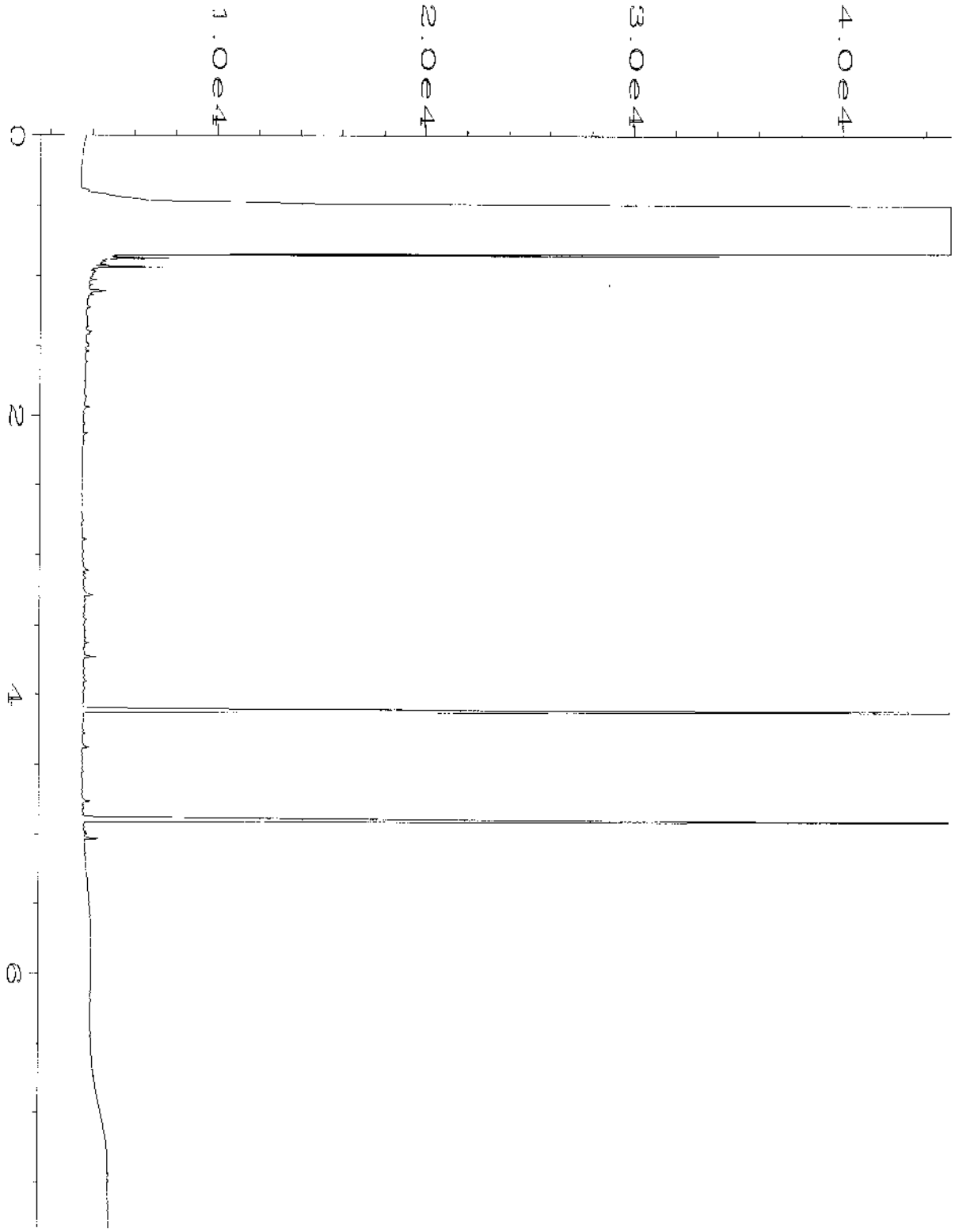
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 34
Sample Name	: 305124-08	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 09 May 13 05:26 PM	Instrument Method	: DX.MTH
Report Created on	: 10 May 13 09:14 AM	Analysis Method	: DX.MTH



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Instrument	: GC #6	Vial Number	: 35
Sample Name	: 305124-09	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
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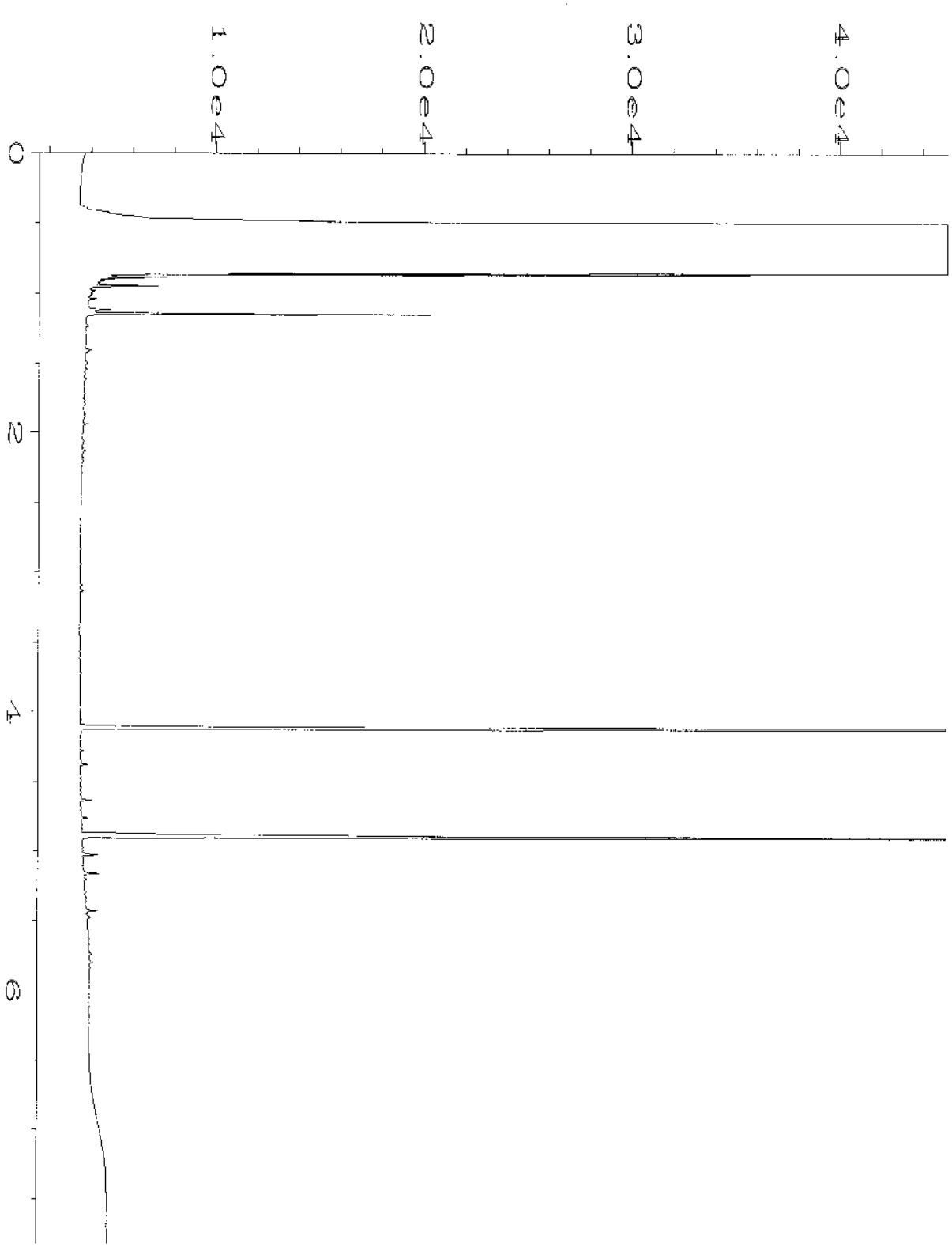
Report Created on:	10 May 13 09:14 AM	Analysis Method	: DX.MTH



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Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 36
Sample Name	: 305124-11	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
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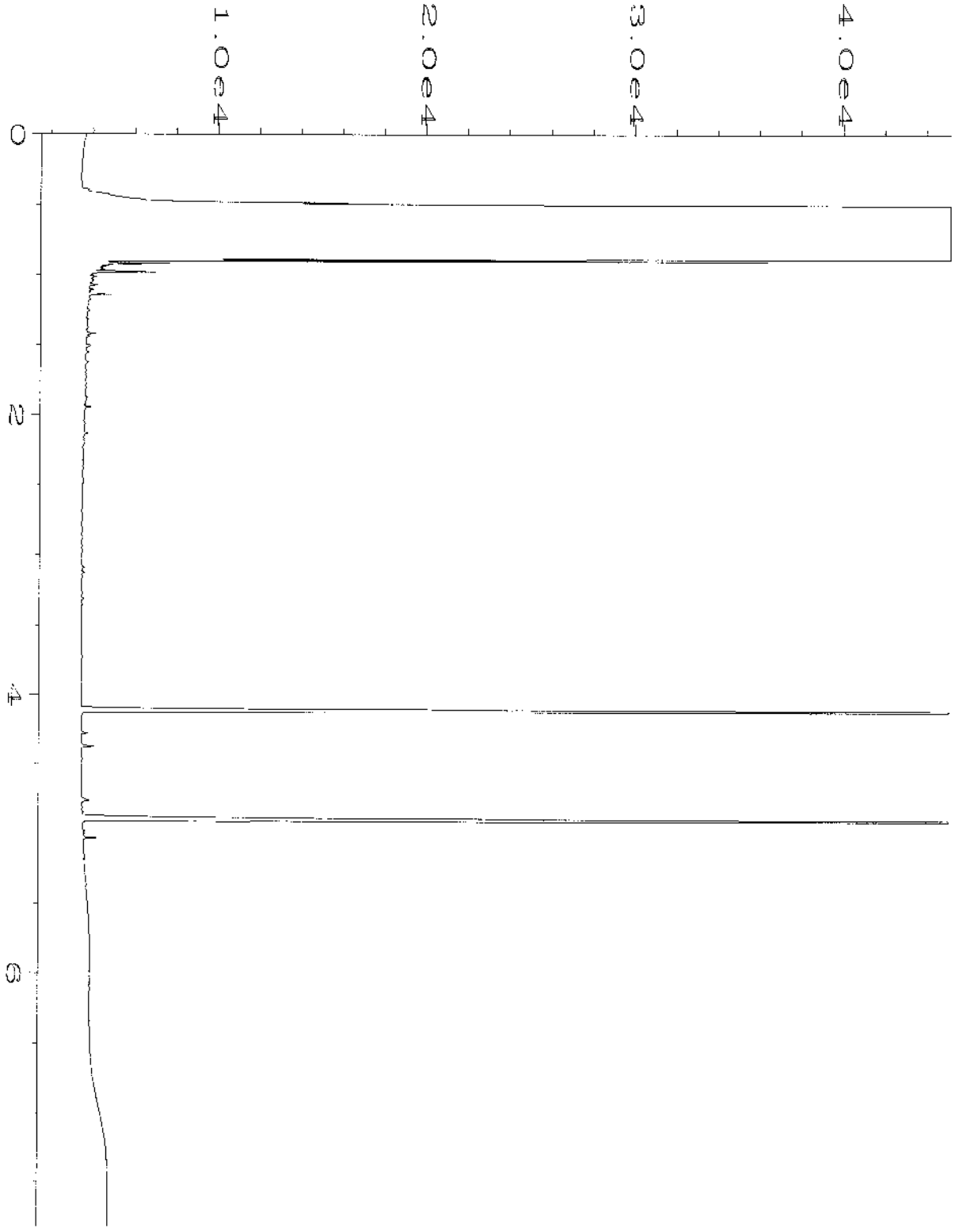
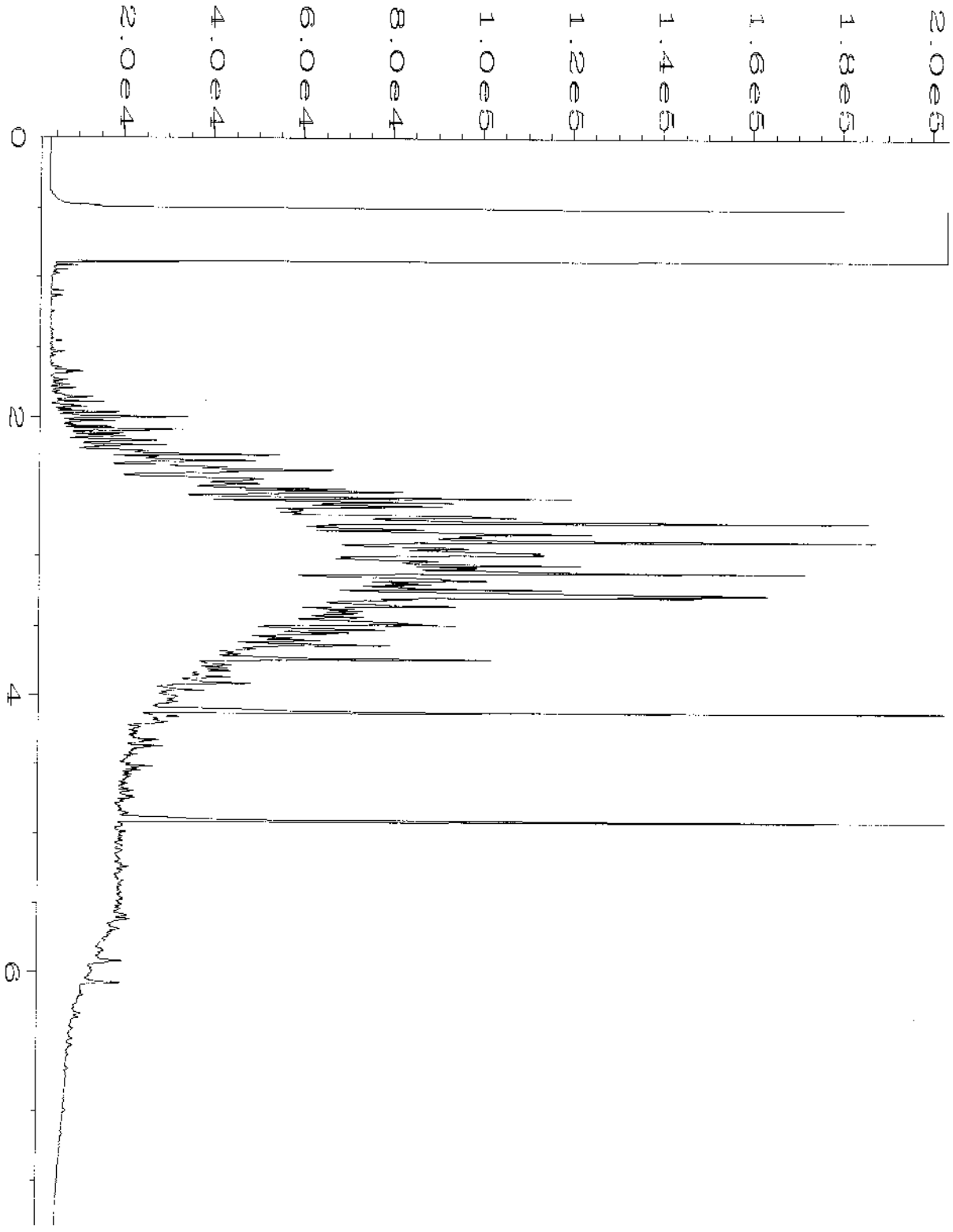
Report Created on:	10 May 13 09:14 AM	Analysis Method	: DX.MTH

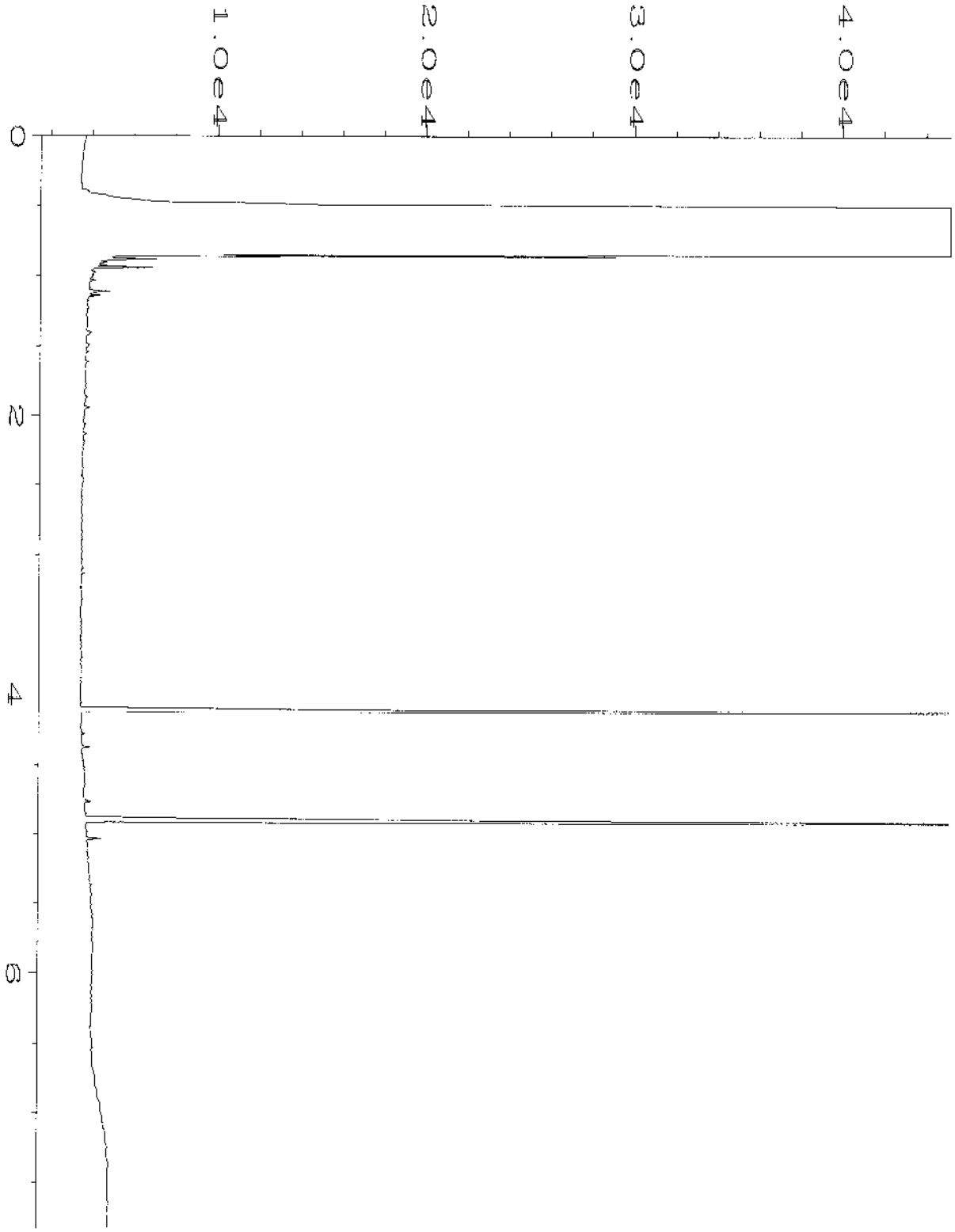


Data File Name	: C:\HPCHEM\6\DATA\05-09-13\037F0701.D		
Operator	: mwdl	Page Number	: 1
Instrument	: GC #6	Vial Number	: 37
Sample Name	: 305124-13	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 09 May 13 06:04 PM	Instrument Method	: DX.MTH
Report Created on	: 10 May 13 09:14 AM	Analysis Method	: DX.MTH



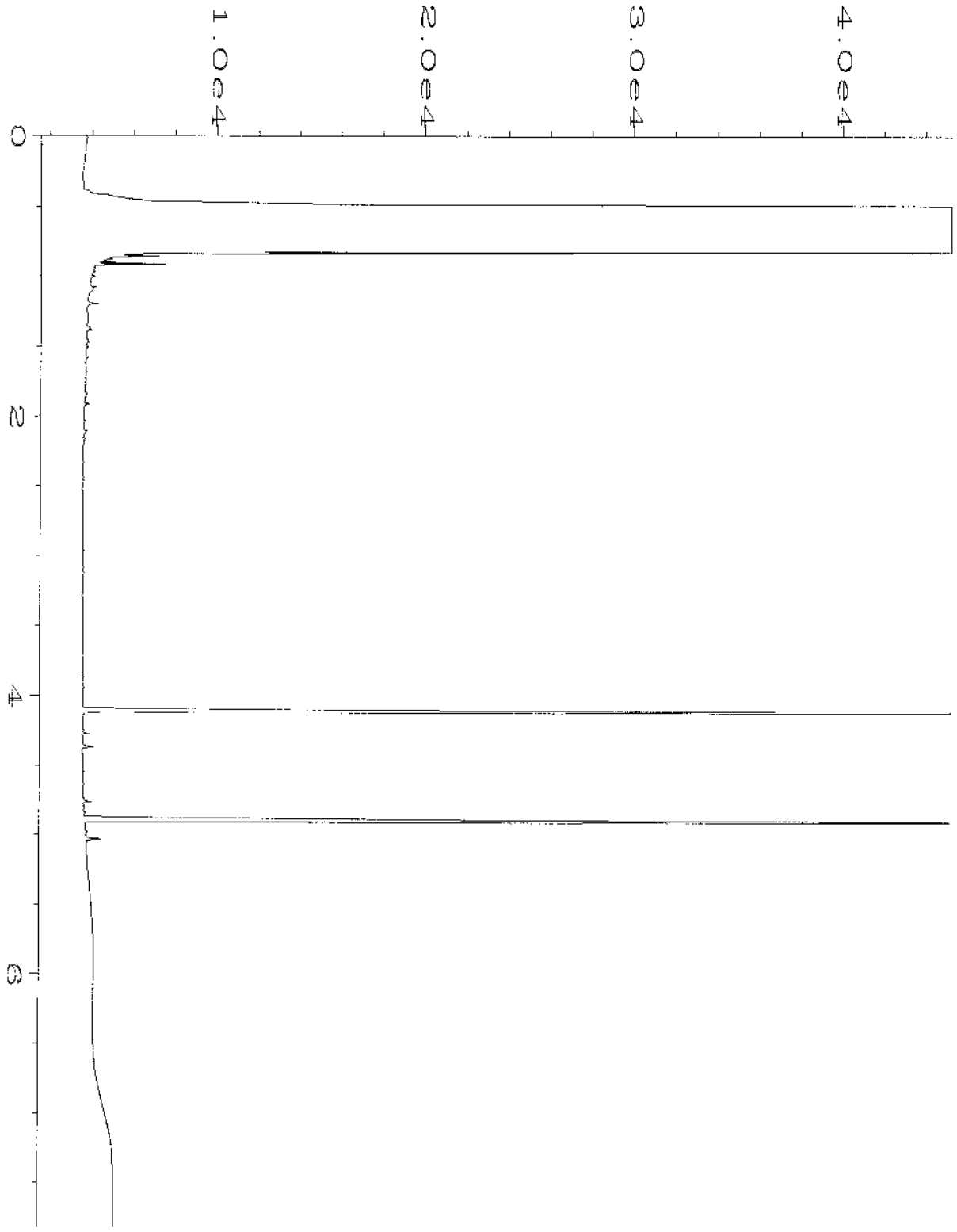
Data File Name : C:\HPCHEM\6\DATA\05-09-13\038F0701.D
Operator : mwdl
Instrument : GC #6
Sample Name : 305124-14
Run Time Bar Code:
Acquired on : 09 May 13 06:17 PM
Report Created on: 10 May 13 09:14 AM

Page Number : 1
Vial Number : 38
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH



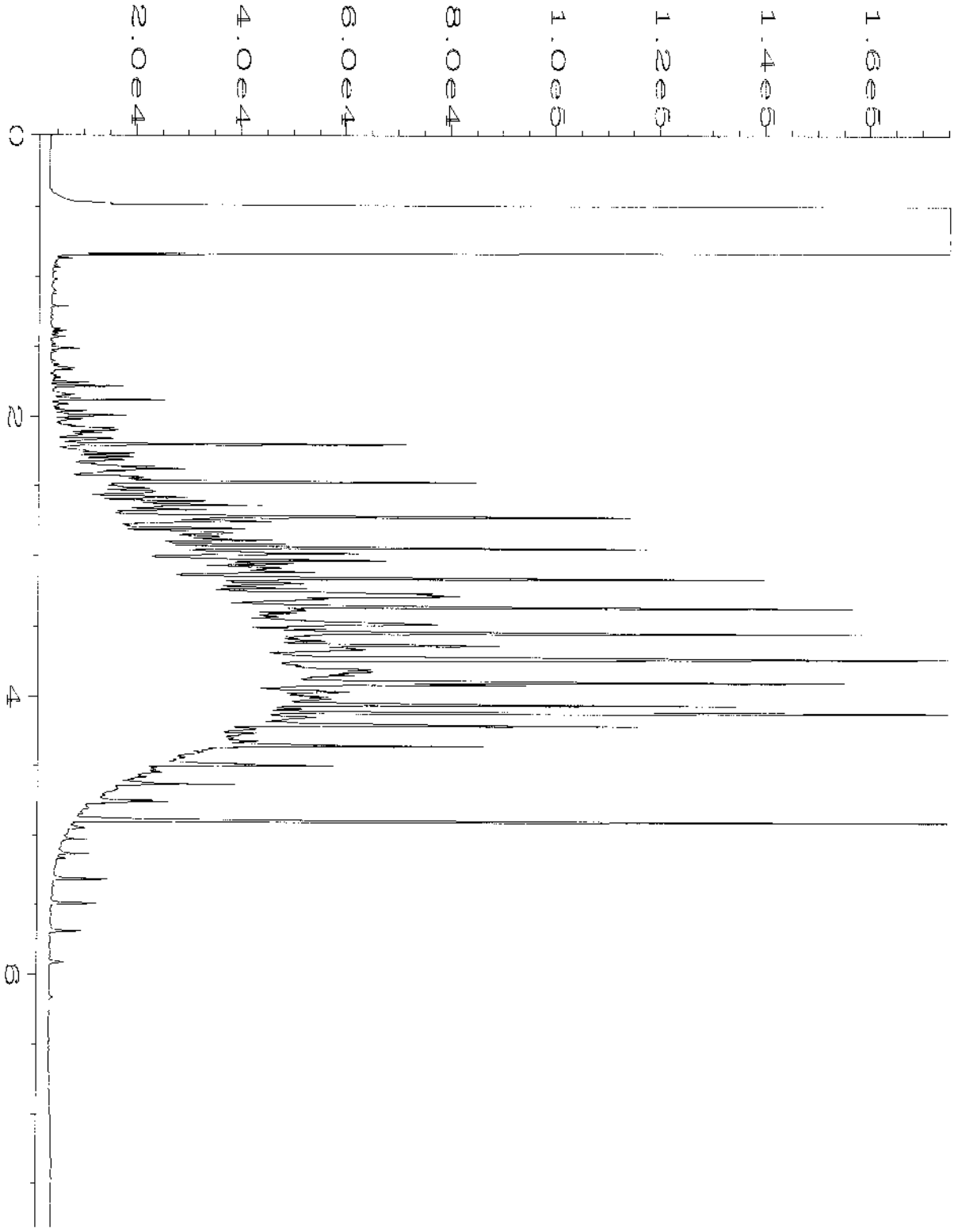
Data File Name : C:\HPCHEM\6\DATA\05-09-13\039F0701.D
Operator : mwdl
Instrument : GC #6
Sample Name : 305124-15
Run Time Bar Code:
Acquired on : 09 May 13 06:30 PM
Report Created on: 10 May 13 09:14 AM

Page Number : 1
Vial Number : 39
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\05-09-13\030F0701.D
Operator : mwdl
Instrument : GC #6
Sample Name : 03-846 mb2
Run Time Bar Code:
Acquired on : 09 May 13 04:39 PM
Report Created on: 10 May 13 09:12 AM

Page Number : 1
Vial Number : 30
Injection Number : 1
Sequence Line : 7
Instrument Method: DX.MTH
Analysis Method : DX.MTH



Data File Name : C:\HPCHEM\6\DATA\05-09-13\003F0201.D
Operator : mwdl
Instrument : GC #6
Sample Name : 500 Dx 40-42C
Run Time Bar Code:
Acquired on : 09 May 13 09:12 AM
Report Created on: 10 May 13 09:12 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DX.MTH

305124

SAMPLE CHAIN OF CUSTODY ME 05-07-13 D03 / VS3

Page # 1 of 2

Send Report To Tim Braun, Pete Kingston
Company SoundEarth Strategies
Address 2811 Fairview Avenue E
City, State, ZIP Seattle, WA
Phone # 206-306-1900 Fax #

SAMPLERS (signature)

PROJECT NAME/NO.: 01-600 Seattle Terminal BNSF ARCO Property

PO #

REMARKS

GEMS Y / N

TURNAROUND TIME
☐ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOCs by 8260	SVOCs by 8270	RCRA-8 Metals			Notes
								ANALYSES REQUESTED								
B264-02.5	B264	2.5	01	5/7/13	0910	Soil	5	X	X	X	X					X-Run per PK 5/8/13 ~~HOLD~~ ms
B264-05		5	02		0912		5									
B264-07.5		7.5	03		0915		5	X	X	X	X					
B264-10		10	04		0920		5	X	X	X	X					
B264-12.5		12.5	05		0925		5									
B264-15		15	06		0930		5									
B264-21		21	07		0935		5									
B265-03	B265	3	08		1030		5	X	X	X	X					
B265-06		6	09		1035		5	X	X	X	X					
B265-08.5		8.5	10		1040		5									
B265-11		11	11		1045		5	X	X	X	X					
B265-16		16	12		1050		5									
B266-03.5	B266	3.5	13		1130		5	X	X	X	X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Fakes	SES	5/7/13	1600
Received by:	D Do	F+BE	11	4
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Samples received at 5 °C

305124

SAMPLE CHAIN OF CUSTODY

NE 05-07-13 D03 / V33

Page # 2 of 2

Send Report To Tim Braun, Pete Kingston

Company Sound Earth Strategies

Address 2811 Fairview Ave E

City, State, ZIP Seattle, WA

Phone # 206-306-1900 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. CP600 Seattle Terminal BNSF Property

PO #

REMARKS

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	chlorinated VOCs by 8260	SVOCs by 8270	RCRA-8 Metals			Notes
B266-06	B266	6	114AE	5/7/13	1135	Soil	5	X	X	X	X					HOLD
B266-08	"	8	15	"	1138	"	5	X	X	X	X					"
B266-11	"	11	16	"	1140	"	5									"
B266-13	"	13	17	"	1145	"	5									"
B266-16	"	16	18	"	1150	"	5									"

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Parker	SES	5/7	1600
Received by:	D & V	FXBR	11	7
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Samples received at 5 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Kurt Johnson, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

May 29, 2013

Tim Brown, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Brown:

Included are the additional results from the testing of material submitted on May 7, 2013 from the TOC_01-600_20130507 WORFDB7, F&BI 305124 project. There are 6 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jessica Brown, Audrey Hackett, Pete Kingston, Jennifer Cyr
SOU0529R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 7, 2013 by Friedman & Bruya, Inc. from the SoundEarth Strategies TOC_01-600_20130507 WORFDB7, F&BI 305124 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
305124-01	B264-02.5
305124-02	B264-05
305124-03	B264-07.5
305124-04	B264-10
305124-05	B264-12.5
305124-06	B264-15
305124-07	B264-21
305124-08	B265-03
305124-09	B265-06
305124-10	B265-08.5
305124-11	B265-11
305124-12	B265-16
305124-13	B266-03.5
305124-14	B266-06
305124-15	B266-08
305124-16	B266-11
305124-17	B266-13
305124-18	B266-16

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B265-16	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/21/13	Lab ID:	305124-12
Date Analyzed:	05/21/13	Data File:	052123.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B266-16	Client:	SoundEarth Strategies
Date Received:	05/07/13	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/21/13	Lab ID:	305124-18
Date Analyzed:	05/21/13	Data File:	052124.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	TOC_01-600_20130507 WORFDB7
Date Extracted:	05/21/13	Lab ID:	03-0949 mb
Date Analyzed:	05/21/13	Data File:	052117.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

Date of Report: 05/29/13
Date Received: 05/07/13
Project: TOC_01-600_20130507 WORFDB7, F&BI 305124

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 305169-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	38	37	10-91	3
Chloroethane	mg/kg (ppm)	2.5	<0.5	58	58	10-101	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	48	48	11-103	0
Methylene chloride	mg/kg (ppm)	2.5	0.80	66 b	58 b	14-128	13 b
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	55	55	13-112	0
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	61	61	23-115	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	63	25-120	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	64	62	22-124	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	58	58	27-112	0
Trichloroethene	mg/kg (ppm)	2.5	<0.03	55	56	30-112	2
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	42	43	27-110	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	70	42-107
Chloroethane	mg/kg (ppm)	2.5	82	47-115
1,1-Dichloroethene	mg/kg (ppm)	2.5	82	65-110
Methylene chloride	mg/kg (ppm)	2.5	84	62-119
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	86	71-113
1,1-Dichloroethane	mg/kg (ppm)	2.5	88	76-109
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	87	77-110
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	80-109
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	90	72-116
Trichloroethene	mg/kg (ppm)	2.5	86	72-107
Tetrachloroethene	mg/kg (ppm)	2.5	89	77-110

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

305124

SAMPLE CHAIN OF CUSTODY ME 05-07-13 D03 / VS3

Page # 1 of 2

Send Report To: Tim Braun, Pat Kingston
Company: SoundEarth Strategies
Address: 2811 Fairview Avenue E
City, State, ZIP: Seattle, WA
Phone #: 206-306-1900 Fax #:

SAMPLERS (signature):

PROJECT NAME/NO.: 01-600 Seattle Terminal BNSF [redacted] Property

PO #:

REMARKS:

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	cVOCs by 8260	SVOCs by 8270	RCRA-8 Metals			(*) per PK 5/20/13 MG. Notes: X-Dup per PK 5/21/13
B264-02.5	B264	2.5	01A-E	5/7/13	0910	Soil	5	X	X	X	X					~~MS~~ MS
B264 05		5	02		0912		5									
B264-07.5		7.5	03		0915		5	X	X	X	X					
B264-10		10	04		0920		5	X	X	X	X					
B264-12.5		12.5	05		0925		5									
B264-15		15	06		0930		5									
B264-21		21	07		0935		5									
B265-~~02~~ 03	B265	3	08		1030		5	X	X	X	X					
B265-06		6	09		1035		6	X	X	X	X					
B265-08.5		8.5	10		1040		5									
B265-11		11	11		1045		5	X	X	X	X					
B265-16		16	12		1050		5				(X)					
B266-03.5	B266	3.5	13		1130		5	X	X	X	X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Fakes	SES	5/7/13	1600
Received by:	DAVID	FEDEX	11	4
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Samples received at 5 °C

305124

SAMPLE CHAIN OF CUSTODY

ME 05-07-13 D03 / V83

Page # 2 of 2

Send Report To: Tim Braun, Peter Kingston

Company: Stratum Strategies

Address: 2811 Fairview Ave E

City, State, ZIP: Seattle, WA

Phone #: 206-306-1900 Fax #:

SAMPLERS (signature):

PROJECT NAME/NO.: C1600 Seattle Terminal BNSF Property

PO #:

REMARKS:

GEMS Y / N

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOCs by 8270	RCRA-8 Metals			Notes
B266-06	B266	6	14	5/7/13	1135	Soil	5	X	X	X	X					HOLD
B266-08		8	15		1130		5	X	X	X	X					
B266-11		11	16		1140		5									
B266-13		13	17		1145		5									
B266-16		16	18		1150		5				X					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Liz Parker	SES	5/7	1800
Received by:	D of U	FedEx	4	7
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Samples received at 5 °C