



APPENDIX H
Laboratory Analytical Reports for RI-Phase Soil
and Groundwater Sampling

Anatek Labs, Inc.

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822019
Project Name: IONE AIRPORT AND KWIK
STOP PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120822019-001	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-7 -082112	Sampling Time	2:06 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-001			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	95.2	70-130
4-Bromofluorobenzene		EPA 8260C SIM	101.2	70-130
Toluene-d8		EPA 8260C SIM	98.8	70-130
4-Bromofluorobenzene		NWTPHG	104.1	70-130

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Analytical Results Report

Sample Number	120822019-002	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-10 -082112	Sampling Time	4:24 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	0.147	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.05	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	21.0	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	5.43	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	4.47	µg/L	1	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	2.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	16.1	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-002			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C SIM	98.8	70-130	
4-Bromofluorobenzene	EPA 8260C SIM	108.4	70-130	
Toluene-d8	EPA 8260C SIM	90.4	70-130	
4-Bromofluorobenzene	NWTPHG	106.7	70-130	

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Analytical Results Report

Sample Number	120822019-003	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM		
Client Sample ID	MW-11 -082112	Sampling Time	3:53 PM	Extraction Date			
Matrix	Water	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	2.57	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	5	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	231	µg/L	5	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	218	µg/L	5	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	178	µg/L	10	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	5	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	25	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	389	µg/L	5	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	9.48	µg/L	5	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	101.2	70-130
4-Bromofluorobenzene	EPA 8260C SIM	92.8	70-130
Toluene-d8	EPA 8260C SIM	96.8	70-130
4-Bromofluorobenzene	NWTPHG	104.2	70-130

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Analytical Results Report

Sample Number	120822019-004	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-12 -082112	Sampling Time	12:49 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-004			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C SIM	103.6	70-130	
4-Bromofluorobenzene	EPA 8260C SIM	99.6	70-130	
Toluene-d8	EPA 8260C SIM	94.8	70-130	
4-Bromofluorobenzene	NWTPHG	107.2	70-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Analytical Results Report

Sample Number	120822019-005	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-15 -082112	Sampling Time	3:30 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	0.23	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	0.14	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-005			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C SIM	96.8	70-130	
4-Bromofluorobenzene	EPA 8260C SIM	106.8	70-130	
Toluene-d8	EPA 8260C SIM	96.0	70-130	
4-Bromofluorobenzene	NWTPHG	108.4	70-130	

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Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120822019
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STOP PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120822019-006	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-16 -082112	Sampling Time	2:48 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-006			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C SIM	107.6	70-130	
4-Bromofluorobenzene	EPA 8260C SIM	87.2	70-130	
Toluene-d8	EPA 8260C SIM	94.8	70-130	
4-Bromofluorobenzene	NWTPHG	106.8	70-130	

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Batch #: 120822019
Project Name: IONE AIRPORT AND KWIK
STOP PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120822019-007	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-17 -082112	Sampling Time	10:31 AM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-007			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	98.8	70-130
4-Bromofluorobenzene		EPA 8260C SIM	99.2	70-130
Toluene-d8		EPA 8260C SIM	93.6	70-130
4-Bromofluorobenzene		NWTPHG	105.9	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Batch #: 120822019
Project Name: IONE AIRPORT AND KWIK
 STOP PETROL CONT
 0504-058-02

Analytical Results Report

Sample Number	120822019-008	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	MW-18 -082112	Sampling Time	11:34 AM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	0.13	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
120822019-008	1,2-Dichlorobenzene-d4	EPA 8260C SIM	101.6	70-130
	4-Bromofluorobenzene	EPA 8260C SIM	105.2	70-130
	Toluene-d8	EPA 8260C SIM	94.0	70-130
	4-Bromofluorobenzene	NWTPHG	110.1	70-130

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STOP PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120822019-009	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	DUPLICATE-1 -082112	Sampling Time	12:34 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	0.189	mg/L	0.1	8/27/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.05	8/30/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Benzene	30.0	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	8.21	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	6.76	µg/L	1	8/30/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	2.5	8/30/2012	WOZ	EPA 8260C SIM	
o-Xylene	24.9	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	
Toluene	0.62	µg/L	0.5	8/30/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120822019-009			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	90.8	70-130
4-Bromofluorobenzene		EPA 8260C SIM	102.8	70-130
Toluene-d8		EPA 8260C SIM	96.8	70-130
4-Bromofluorobenzene		NWTPHG	112.8	70-130

Authorized Signature


Kathy Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Toluene	0.78	µg/L	1	78.0	70-130	8/30/2012	8/30/2012
o-Xylene	0.86	µg/L	1	86.0	70-130	8/30/2012	8/30/2012
Ethylbenzene	0.82	µg/L	1	82.0	70-130	8/30/2012	8/30/2012
Benzene	0.77	µg/L	1	77.0	70-130	8/30/2012	8/30/2012
Gasoline	1.04	mg/L	1.1	94.5	70-130	8/27/2012	8/27/2012

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
120822019-009	Gasoline	0.189	1.32	mg/L	1.1	102.8	70-130	8/27/2012	8/27/2012

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Gasoline	1.27	mg/L	1.1	98.3	3.9	0-20	8/27/2012	8/27/2012

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/30/2012	8/30/2012
1,2-Dichloroethane	ND	µg/L	0.1	8/30/2012	8/30/2012
Benzene	ND	µg/L	0.1	8/30/2012	8/30/2012
Ethylbenzene	ND	µg/L	0.1	8/30/2012	8/30/2012
Gasoline	ND	mg/L	0.1	8/27/2012	8/27/2012
m+p-Xylene	ND	µg/L	0.2	8/30/2012	8/30/2012
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/30/2012	8/30/2012
Naphthalene	ND	µg/L	0.5	8/30/2012	8/30/2012
o-Xylene	ND	µg/L	0.1	8/30/2012	8/30/2012
Toluene	ND	µg/L	0.1	8/30/2012	8/30/2012

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822019
Project Name: IONE AIRPORT AND KWIK
STOP PETROL CONT
0504-058-02

Analytical Results Report Quality Control Data

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Login Report

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120822019

Order Date: 8/22/2012

Contact Name: DAVE LAUDER

Comment:

Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Sample #: 120822019-001 **Customer Sample #:** MW-7 -082112

Recv'd: **Collector:** KATIE HALL **Date Collected:** 8/21/2012
Quantity: 1 **Matrix:** Water **Date Received:** 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-002 **Customer Sample #:** MW-10 -082112

Recv'd: **Collector:** KATIE HALL **Date Collected:** 8/21/2012
Quantity: 1 **Matrix:** Water **Date Received:** 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-003 **Customer Sample #:** MW-11 -082112

Recv'd: **Collector:** KATIE HALL **Date Collected:** 8/21/2012
Quantity: 1 **Matrix:** Water **Date Received:** 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-004 **Customer Sample #:** MW-12 -082112

Recv'd: **Collector:** KATIE HALL **Date Collected:** 8/21/2012
Quantity: 1 **Matrix:** Water **Date Received:** 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

Order ID: 120822019

523 E 2ND

Order Date: 8/22/2012

SPOKANE

WA 99202

Contact Name: DAVE LAUDER

Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Comment:

Sample #: 120822019-005 Customer Sample #: MW-15 -082112

Recv'd: Collector: KATIE HALL Date Collected: 8/21/2012
Quantity: 1 Matrix: Water Date Received: 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-006 Customer Sample #: MW-16 -082112

Recv'd: Collector: KATIE HALL Date Collected: 8/21/2012
Quantity: 1 Matrix: Water Date Received: 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-007 Customer Sample #: MW-17 -082112

Recv'd: Collector: KATIE HALL Date Collected: 8/21/2012
Quantity: 1 Matrix: Water Date Received: 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-008 Customer Sample #: MW-18 -082112

Recv'd: Collector: KATIE HALL Date Collected: 8/21/2012
Quantity: 1 Matrix: Water Date Received: 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Sample #: 120822019-009 Customer Sample #: DUPLICATE-1 -082112

Recv'd: Collector: KATIE HALL Date Collected: 8/21/2012
Quantity: 1 Matrix: Water Date Received: 8/22/2012 12:00:00 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120822019

Order Date: 8/22/2012

Contact Name: DAVE LAUDER

Comment:

Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Sample #: 120822019-010 Customer Sample #: TRIP BLANK

Recv'd:

Collector: KATIE HALL

Date Collected: 8/21/2012

Quantity: 1

Matrix: Water

Date Received: 8/22/2012 12:00:00 P

Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	9/3/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	8/29/2012	<u>Normal (6-10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	2.0
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	Yes
Labels and chain agree?	Yes



Chain of Custody Record

- 1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
- 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

120822 019 **GEOE** Last Due 9/3/2012
 1st SAMP 8/21/2012 1st RCVD 8/22/2012
ONE AIRPORT AND KWIK STOP
PETROL CONT 0504-058-02

Company Name: GEO ENGINEERS, INC.	Project Manager: DAVE LAUDER
Address: 523 E. 2ND AVE	Project Name & #: ONE AIRPORT AND KWIK STOP
City: SPOKANE State: WA Zip: 99202	PELLETS FUEL CONTAMINATION 0504-058-02
Phone: 509-363-3125	Email Address: DLAUDER@GEOENGINEERS.COM
Fax: 509-363-3126	Purchase Order #:
	Sampler Name & phone: KATE HALL 509-363-3125

Please refer to our normal turn around times at
<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal *All rush order requests must be prior approved.
 Next Day*
 2nd Day*
 Other*

Phone _____
 Mail _____
 Fax _____
 Email

Provide Sample Description				List Analyses Requested											
Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	Preservative:									
						ACI	ACI								
						ACI	ACI								
1	MW-7-082112	8/21/12 1406	WATER	2		X	X								
2	MW-10-082112	1624		2		X	X								
3	MW-11-082112	1553		2		X	X								
4	MW-12-082112	1249		2		X	X								
5	MW-15-082112	1530		2		X	X								
6	MW-16-082112	1448		2		X	X								
7	MW-17-082112	1031		2		X	X								
8	MW-18-082112	1034		2		X	X								
9	DIVULGATE-1-082112	1234		2		X	X								
	DELET-1-082112			2											
	DELET-2-082112			2											
	DELET-3-082112			2											
	DELET-4-082112			2											

Note Special Instructions/Comments

SNBS

All 3p

Inspection Checklist	
Received Intact?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Labels & Chains Agree?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Containers Sealed?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
VOC Head Space?	Y <input checked="" type="checkbox"/> N
Temperature (°C):	hand / cooler 2.0
Preservative:	HCl ice
Date & Time:	8/22/12
Inspected By:	KHS

	Printed Name	Signature	Company	Date	Time
Relinquished by	KATE HALL	<i>Kate Hall</i>	GEOE	8/22/12	1200
Received by	<i>[Signature]</i>	<i>[Signature]</i>	Anatek	8/22	1200
Relinquished by					
Received by					
Relinquished by					
Received by					

Anatek Labs, Inc.

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report

Sample Number	120731002-001	Sampling Date	7/27/2012	Date/Time Received	7/31/2012 9:05 AM
Client Sample ID	WELL 6610 NEW EAST	Sampling Time	5:35 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/1/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/9/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/9/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/9/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120731002-001		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	88.8	70-130
4-Bromofluorobenzene	EPA 8260C SIM	93.6	70-130
Toluene-d8	EPA 8260C SIM	99.2	70-130
4-Bromofluorobenzene	NWTPHG	103.3	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report

Sample Number	120822017-001	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	DOMESTIC WELL 6608/6609-0821	Sampling Time		Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1,1-Trichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1,2-Trichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1-Dichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1-Dichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1-dichloropropene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,3-Trichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,3-Trichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,4-Trichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,4-Trimethylbenzene	1.23	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dibromoethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,3,5-Trimethylbenzene	13.0	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,3-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,3-Dichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,4-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
2,2-Dichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
2-Chlorotoluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
2-hexanone	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
4-Chlorotoluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Acetone	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
Acrylonitrile	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Benzene	215	µg/L	10	8/23/2012	WOZ	EPA 8260C	
Bromobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromochloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromodichloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromoform	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromomethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Carbon disulfide	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Carbon Tetrachloride	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT: Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report

Sample Number	120822017-001	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	DOMESTIC WELL 6608/6609-0821	Sampling Time		Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Chloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Chloroform	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Chloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
cis-1,2-dichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
cis-1,3-Dichloropropene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Dibromochloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Dibromomethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Dichlorodifluoromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Ethylbenzene	95.2	µg/L	10	8/23/2012	WOZ	EPA 8260C	
Hexachlorobutadiene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Isopropylbenzene	10.8	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
m+p-Xylene	253	µg/L	20	8/23/2012	WOZ	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
Methylene chloride	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Naphthalene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
n-Butylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
n-Propylbenzene	3.43	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
o-Xylene	243	µg/L	10	8/23/2012	WOZ	EPA 8260C	
p-isopropyltoluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
sec-Butylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Styrene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
tert-Butylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Tetrachloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Toluene	7.04	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
trans-1,2-Dichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
trans-1,3-Dichloropropene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Trichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Trichlorofluoromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Vinyl Chloride	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report

Sample Number	120822017-001	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	DOMESTIC WELL 6608/6609-0821	Sampling Time		Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	120822017-001						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260C		106.8		70-130	
4-Bromofluorobenzene		EPA 8260C		114.8		70-130	
Toluene-d8		EPA 8260C		87.6		70-130	

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Client: GEO ENGINEERS
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Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report

Sample Number	120822017-002	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1,1-Trichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1,2-Trichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1-Dichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1-Dichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,1-dichloropropene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,3-Trichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,3-Trichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,4-Trichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2,4-Trimethylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dibromoethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dichloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,2-Dichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,3,5-Trimethylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,3-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,3-Dichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
1,4-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
2,2-Dichloropropane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
2-Chlorotoluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
2-hexanone	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
4-Chlorotoluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Acetone	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
Acrylonitrile	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Benzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromochloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromodichloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromoform	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Bromomethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Carbon disulfide	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Carbon Tetrachloride	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Chlorobenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report

Sample Number	120822017-002	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM		
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date			
Matrix	Water	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Chloroform	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Chloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
cis-1,2-dichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
cis-1,3-Dichloropropene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Dibromochloromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Dibromomethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Dichlorodifluoromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Ethylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Hexachlorobutadiene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Isopropylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
m+p-Xylene	ND	µg/L	1	8/23/2012	WOZ	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	µg/L	2.5	8/23/2012	WOZ	EPA 8260C	
Methylene chloride	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Naphthalene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
n-Butylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
n-Propylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
o-Xylene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
p-isopropyltoluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
sec-Butylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Styrene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
tert-Butylbenzene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Tetrachloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Toluene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
trans-1,2-Dichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
trans-1,3-Dichloropropene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Trichloroethene	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Trichlorofluoromethane	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	
Vinyl Chloride	ND	µg/L	0.5	8/23/2012	WOZ	EPA 8260C	

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report

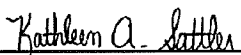
Sample Number	120822017-002	Sampling Date	8/21/2012	Date/Time Received	8/22/2012 12:00 PM
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	120822017-002				
Surrogate Standard		Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260C	83.2	70-130	
4-Bromofluorobenzene		EPA 8260C	105.6	70-130	
Toluene-d8		EPA 8260C	104.0	70-130	

Authorized Signature


Kathy Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT: Cert0095

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Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	4.25	µg/L	5	85.0	70-130	8/23/2012	8/23/2012
Toluene	4.47	µg/L	5	89.4	70-130	8/23/2012	8/23/2012
Tetrachloroethene	4.99	µg/L	5	99.8	70-130	8/23/2012	8/23/2012
o-Xylene	4.75	µg/L	5	95.0	70-130	8/23/2012	8/23/2012
Ethylbenzene	4.51	µg/L	5	90.2	70-130	8/23/2012	8/23/2012
Chlorobenzene	4.78	µg/L	5	95.6	70-130	8/23/2012	8/23/2012
Benzene	4.36	µg/L	5	87.2	70-130	8/23/2012	8/23/2012
1,1-Dichloroethene	3.65	µg/L	5	73.0	70-130	8/23/2012	8/23/2012

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,1,1-Trichloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,1,2-Trichloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,1-Dichloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,1-Dichloroethene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,1-dichloropropene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2,3-Trichlorobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2,3-Trichloropropane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2,4-Trichlorobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2,4-Trimethylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2-Dibromo-3-chloropropane(DBCP)	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2-Dibromoethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2-Dichloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,2-Dichloropropane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,3,5-Trimethylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,3-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
1,3-Dichloropropane	ND	µg/L	0.5	8/23/2012	8/23/2012
1,4-Dichlorobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
2,2-Dichloropropane	ND	µg/L	0.5	8/23/2012	8/23/2012
2-Chlorotoluene	ND	µg/L	0.5	8/23/2012	8/23/2012

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
2-hexanone	ND	µg/L	2.5	8/23/2012	8/23/2012
4-Chlorotoluene	ND	µg/L	0.5	8/23/2012	8/23/2012
Acetone	ND	µg/L	2.5	8/23/2012	8/23/2012
Acrylonitrile	ND	µg/L	0.5	8/23/2012	8/23/2012
Benzene	ND	µg/L	0.5	8/23/2012	8/23/2012
Bromobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
Bromochloromethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Bromodichloromethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Bromoform	ND	µg/L	0.5	8/23/2012	8/23/2012
Bromomethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Carbon disulfide	ND	µg/L	0.5	8/23/2012	8/23/2012
Carbon Tetrachloride	ND	µg/L	0.5	8/23/2012	8/23/2012
Chlorobenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
Chloroethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Chloroform	ND	µg/L	0.5	8/23/2012	8/23/2012
Chloromethane	ND	µg/L	0.5	8/23/2012	8/23/2012
cis-1,2-dichloroethene	ND	µg/L	0.5	8/23/2012	8/23/2012
cis-1,3-Dichloropropene	ND	µg/L	0.5	8/23/2012	8/23/2012
Dibromochloromethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Dibromomethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Dichlorodifluoromethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Ethylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
Hexachlorobutadiene	ND	µg/L	0.5	8/23/2012	8/23/2012
Isopropylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
m+p-Xylene	ND	µg/L	0.5	8/23/2012	8/23/2012
Methyl ethyl ketone (MEK)	ND	µg/L	2.5	8/23/2012	8/23/2012
Methyl isobutyl ketone (MIBK)	ND	µg/L	2.5	8/23/2012	8/23/2012
Methylene chloride	ND	µg/L	0.5	8/23/2012	8/23/2012
methyl-t-butyl ether (MTBE)	ND	µg/L	0.5	8/23/2012	8/23/2012
Naphthalene	ND	µg/L	0.5	8/23/2012	8/23/2012
n-Butylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
n-Propylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
o-Xylene	ND	µg/L	0.5	8/23/2012	8/23/2012
p-isopropyltoluene	ND	µg/L	0.5	8/23/2012	8/23/2012
sec-Butylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012
Styrene	ND	µg/L	0.5	8/23/2012	8/23/2012
tert-Butylbenzene	ND	µg/L	0.5	8/23/2012	8/23/2012

Comments:

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Attn: DAVE LAUDER

Batch #: 120822017
Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Tetrachloroethene	ND	µg/L	0.5	8/23/2012	8/23/2012
Toluene	ND	µg/L	0.5	8/23/2012	8/23/2012
trans-1,2-Dichloroethene	ND	µg/L	0.5	8/23/2012	8/23/2012
trans-1,3-Dichloropropene	ND	µg/L	0.5	8/23/2012	8/23/2012
Trichloroethene	ND	µg/L	0.5	8/23/2012	8/23/2012
Trichloroflouromethane	ND	µg/L	0.5	8/23/2012	8/23/2012
Vinyl Chloride	ND	µg/L	0.5	8/23/2012	8/23/2012

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Login Report

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120822017

Order Date: 8/22/2012

Contact Name: DAVE LAUDER

Comment:

Project Name: IONE AIRPORT AND
KWIK STOP PETROL
CONT 0504-058-02

Sample #: 120822017-001 **Customer Sample #:** DOMESTIC WELL 6608/6609-082112

Recv'd:

Collector: KATIE HALL

Date Collected: 8/21/2012

Quantity: 1

Matrix: Water

Date Received: 8/22/2012 12:00:00 P

Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 SPO	S	EPA 8260C	8/23/2012	<u>1 Day</u>

Sample #: 120822017-002 **Customer Sample #:** TRIP BLANK

Recv'd:

Collector: KATIE HALL

Date Collected: 8/21/2012

Quantity: 1

Matrix: Water

Date Received: 8/22/2012 12:00:00 P

Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 SPO	S	EPA 8260C	8/23/2012	<u>1 Day</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	2.0
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	Yes
Labels and chain agree?	Yes

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report

Sample Number 120731002-001 **Sampling Date** 7/27/2012 **Date/Time Received** 7/31/2012 9:05 AM
Client Sample ID WELL 6610 NEW EAST **Sampling Time** 5:35 PM **Extraction Date**
Matrix Water **Sample Location**
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/1/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/9/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/9/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/9/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
120731002-001	1,2-Dichlorobenzene-d4	EPA 8260C SIM	88.8	70-130
	4-Bromofluorobenzene	EPA 8260C SIM	93.6	70-130
	Toluene-d8	EPA 8260C SIM	99.2	70-130
	4-Bromofluorobenzene	NWTPHG	103.3	70-130

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report

Sample Number	120731002-002	Sampling Date	7/27/2012	Date/Time Received	7/31/2012 9:05 AM
Client Sample ID	WELL 6610 NEW WEST	Sampling Time	5:26 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/1/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/9/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/9/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/9/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Toluene	1.49	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120731002-002			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	125.2	70-130
4-Bromofluorobenzene		EPA 8260C SIM	100.4	70-130
Toluene-d8		EPA 8260C SIM	95.6	70-130
4-Bromofluorobenzene		NWTPHG	104.2	70-130

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Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report

Sample Number	120731002-003	Sampling Date	7/27/2012	Date/Time Received	7/31/2012 9:05 AM
Client Sample ID	WELL 6606	Sampling Time	5:02 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/L	0.1	8/1/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/9/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/9/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/9/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	0.93	ug/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120731002-003			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C SIM	104.4	70-130	
4-Bromofluorobenzene	EPA 8260C SIM	99.2	70-130	
Toluene-d8	EPA 8260C SIM	94.8	70-130	
4-Bromofluorobenzene	NWTPHG	105.4	70-130	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report

Sample Number	120731002-005	Sampling Date	7/27/2012	Date/Time Received	7/31/2012 9:05 AM
Client Sample ID	WELL6608/6609	Sampling Time	5:47 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	0.673	mg/L	0.1	8/1/2012	WOZ	NWTPHG	
1,2-Dibromoethane (EDB)	ND	µg/L	0.2	8/9/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	2	8/9/2012	WOZ	EPA 8260C SIM	
Benzene	97.0	µg/L	5	8/9/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	45.4	µg/L	2	8/9/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	77.3	µg/L	4	8/9/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	10	8/9/2012	WOZ	EPA 8260C SIM	
o-Xylene	89.7	µg/L	2	8/9/2012	WOZ	EPA 8260C SIM	
Toluene	3.06	µg/L	2	8/9/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	ug/L	2	8/9/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120731002-005			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	106.8	70-130
4-Bromofluorobenzene		EPA 8260C SIM	90.8	70-130
Toluene-d8		EPA 8260C SIM	94.8	70-130
4-Bromofluorobenzene		NWTPHG	101.0	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report

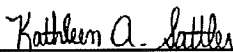
Sample Number	120731002-006	Sampling Date	7/27/2012	Date/Time Received	7/31/2012 9:05 AM
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/9/2012	WOZ	EPA 8260C SIM	
1,2-Dichloroethane	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Benzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/L	0.2	8/9/2012	WOZ	EPA 8260C SIM	
Naphthalene	ND	µg/L	0.5	8/9/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/9/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120731002-006			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	102.0	70-130
4-Bromofluorobenzene		EPA 8260C SIM	106.8	70-130
Toluene-d8		EPA 8260C SIM	92.0	70-130

Authorized Signature


Kathy Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Toluene	0.80	µg/L	1	80.0	70-130	8/10/2012	8/10/2012
o-Xylene	0.79	µg/L	1	79.0	70-130	8/10/2012	8/10/2012
Ethylbenzene	0.82	µg/L	1	82.0	70-130	8/10/2012	8/10/2012
Benzene	0.95	µg/L	1	95.0	70-130	8/10/2012	8/10/2012
Gasoline	1.10	mg/L	1.1	100.0	70-130	8/1/2012	8/1/2012

Lab Control Sample Duplicate

Parameter	LCS Result	Units	LCS Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Toluene	0.76	µg/L	1	76.0	5.1	0-20	8/10/2012	8/10/2012
o-Xylene	0.89	µg/L	1	89.0	11.9	0-20	8/10/2012	8/10/2012
Ethylbenzene	0.86	µg/L	1	86.0	4.8	0-20	8/10/2012	8/10/2012
Benzene	0.89	µg/L	1	89.0	6.5	0-20	8/10/2012	8/10/2012

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
120731002-005	Gasoline	0.673	1.79	mg/L	1.1	101.5	70-130	8/1/2012	8/1/2012

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Gasoline	1.72	mg/L	1.1	95.2	4.0	0-20	8/1/2012	8/1/2012

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,2-Dibromoethane (EDB)	ND	µg/L	0.01	8/10/2012	8/10/2012
1,2-Dichloroethane	ND	µg/L	0.1	8/10/2012	8/10/2012
Benzene	ND	µg/L	0.1	8/10/2012	8/10/2012
Ethylbenzene	ND	µg/L	0.1	8/10/2012	8/10/2012
Gasoline	ND	mg/L	0.1	8/1/2012	8/1/2012
m+p-Xylene	ND	µg/L	0.2	8/10/2012	8/10/2012
methyl-t-butyl ether (MTBE)	ND	µg/L	0.1	8/10/2012	8/10/2012

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120731002
Project Name: AIRPORT KWIK STOP
0504-058-02

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Naphthalene	ND	µg/L	0.5	8/10/2012	8/10/2012
o-Xylene	ND	µg/L	0.1	8/10/2012	8/10/2012
Toluene	ND	µg/L	0.1	8/10/2012	8/10/2012

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Login Report

Customer Name: GEO ENGINEERS

Order ID: 120731002

523 E 2ND

Order Date: 7/31/2012

SPOKANE

WA 99202

Contact Name: DAVE LAUDER

Project Name: AIRPORT KWIK STOP
0504-058-02

Comment:

Sample #: 120731002-001 **Customer Sample #:** WELL 6610 NEW EAST

Recv'd: **Collector:** K RANDALL **Date Collected:** 7/27/2012
Quantity: 1 **Matrix:** Water **Date Received:** 7/31/2012 9:05:00 A

Comment:

Test	Lab	Method	Due Date	Priority
TPHG-NW-SPO	S	NWTPHG	8/10/2012	<u>Normal (6-10 Days)</u>
VOC RBCA 8260 SPO		EPA 8260C SIM	8/10/2012	<u>Normal (6-10 Days)</u>

Sample #: 120731002-002 **Customer Sample #:** WELL 6610 NEW WEST

Recv'd: **Collector:** K RANDALL **Date Collected:** 7/27/2012
Quantity: 1 **Matrix:** Water **Date Received:** 7/31/2012 9:05:00 A

Comment:

Test	Lab	Method	Due Date	Priority
TPHG-NW-SPO	S	NWTPHG	8/10/2012	<u>Normal (6-10 Days)</u>
VOC RBCA 8260 SPO		EPA 8260C SIM	8/10/2012	<u>Normal (6-10 Days)</u>

Sample #: 120731002-003 **Customer Sample #:** WELL 6606

Recv'd: **Collector:** K RANDALL **Date Collected:** 7/27/2012
Quantity: 1 **Matrix:** Water **Date Received:** 7/31/2012 9:05:00 A

Comment:

Test	Lab	Method	Due Date	Priority
TPHG-NW-SPO	S	NWTPHG	8/10/2012	<u>Normal (6-10 Days)</u>
VOC RBCA 8260 SPO		EPA 8260C SIM	8/10/2012	<u>Normal (6-10 Days)</u>

Sample #: 120731002-004 **Customer Sample #:** WELL 6607

Recv'd: **Collector:** K RANDALL **Date Collected:** 7/27/2012
Quantity: 1 **Matrix:** Water **Date Received:** 7/31/2012 9:05:00 A

Comment: NO SAMPLES RE'C FOR WELL #6607

Test	Lab	Method	Due Date	Priority
HOLD	S	hold	7/27/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 120731002
Order Date: 7/31/2012

Contact Name: DAVE LAUDER

Project Name: AIRPORT KWIK STOP
0504-058-02

Comment:

Sample #: 120731002-005 Customer Sample #: WELL6608/6609

Recv'd: Collector: K RANDALL Date Collected: 7/27/2012
Quantity: 1 Matrix: Water Date Received: 7/31/2012 9:05:00 A

Comment:

Test	Lab	Method	Due Date	Priority
TPHG-NW-SPO	S	NWTPHG	8/7/2012	<u>Normal (6-10 Days)</u>
VOC RBCA 8260 SPO	S	EPA 8260C SIM	8/10/2012	<u>Normal (6-10 Days)</u>

Sample #: 120731002-006 Customer Sample #: TRIP BLANK

Recv'd: Collector: K RANDALL Date Collected: 7/27/2012
Quantity: 1 Matrix: Water Date Received: 7/31/2012 9:05:00 A

Comment:

Test	Lab	Method	Due Date	Priority
TPHG-NW-SPO	S	NWTPHG	8/7/2012	<u>Normal (6-10 Days)</u>
VOC RBCA 8260 SPO	S	EPA 8260C SIM	8/10/2012	<u>Normal (6-10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	2.1
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	YES
Labels and chain agree?	No



Chain of Custody Record

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120731 002 **GEOE** Last Due 8/10/2012
 1st SAMP 7/27/2012 1st RCVD 7/31/2012
 An Loc AIRPORT KWIK STOP 0504-058-02

Company Name:	GeoEngineers Inc.	Project Manager:	Dave Lauder
Address:	523 East 2nd Avenue	Project Name & #:	Airport Kwik Stop 0504-058-02
City:	Spokane State: WA Zip: 99202	Email Address:	dlauder@geoengineers.com
Phone:	(509) 363-3125	Purchase Order #:	
Fax:	(509) 363-3126	Sampler Name & phone:	K. Randall 342-8914

Please refer to our normal turn around times at:
<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal
 Next Day*
 2nd Day*
 Other*

*All rush order requests must be prior approved.

Phone
 Mail
 Fax
 Email

Provide Sample Description **List Analyses Requested**

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Parameters				
				# of Containers	Sample Volume	NWTR-GX	STEX	Naphthalene, EDB, EOC
	Allman New East	7/27/12 @ 1735	w			X	X	X
	Allman New West	7/27/12 @ 1726	w			X	X	X
	Well # 6008	7/27/12 @ 1702	w			X	X	X
	Well # 6607	7/27/12 @ 1355	w			X	X	X
	Well 6008/6609	7/27/12 @ 1747	w			X	X	X
	Tap Blank						X	

Note: Special Instructions/Comments

No samples rec'd # 6607

	Printed Name	Signature	Company	Date	Time
Relinquished by	Karin Randall	<i>[Signature]</i>	GEI	7/30/12	0900
Received by	Dave Lauder	<i>[Signature]</i>	GEI	7/27/12	0800
Relinquished by	Dave Lauder	<i>[Signature]</i>	GEI	7/31/12	0905
Received by	[Signature]	<i>[Signature]</i>	Anatek	7/31	1405
Relinquished by					
Received by					

Inspection Checklist

Received Intact? Y N
 Labels & Chains Agree? Y N
 Containers Sealed? Y N
 VOC Head Space? Y N

Temperature (°C): 21.1
 Preservative: HCl

Date & Time: 7-31-12
 Inspected By: KRS

Anatek Labs, Inc.

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-001	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-26-112911	Sampling Time	11:26 AM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	33.1	µg/L	1	12/7/2011	WOZ	EPA 8021	
Ethylbenzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
m+p-Xylene	ND	µg/L	2	12/7/2011	WOZ	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
o-Xylene	2.08	µg/L	1	12/7/2011	WOZ	EPA 8021	
Toluene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Diesel	ND	mg/L	0.1	12/6/2011	MJL	NWTPHDX	
Lube Oil	ND	mg/L	0.5	12/6/2011	MJL	NWTPHDX	
Gasoline	0.107	mg/L	0.1	12/7/2011	WOZ	NWTPHG	

Surrogate Data

Sample Number	111202043-001			
Surrogate Standard		Method	Percent Recovery	Control Limits
4-Bromofluorobenzene		EPA 8021	103.9	70-130
hexacosane		NWTPHDX	94.4	50-150
4-Bromofluorobenzene		NWTPHG	101.3	70-130

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-002	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-27-112911	Sampling Time	1:14 PM	Extraction Date			
Matrix	Water	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Ethylbenzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
m+p-Xylene	ND	µg/L	2	12/7/2011	WOZ	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
o-Xylene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Toluene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Diesel	ND	mg/L	0.1	12/6/2011	MJL	NWTPHDX	
Lube Oil	ND	mg/L	0.5	12/6/2011	MJL	NWTPHDX	
Gasoline	ND	mg/L	0.1	12/7/2011	WOZ	NWTPHG	

Surrogate Data

Sample Number	111202043-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
4-Bromofluorobenzene	EPA 8021	104.2	70-130
hexacosane	NWTPHDX	92.4	50-150
4-Bromofluorobenzene	NWTPHG	101.7	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-003	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-28-112911	Sampling Time	2:30 PM	Extraction Date			
Matrix	Water	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	2240	µg/L	10	12/14/2011	WOZ	EPA 8021	H2
Ethylbenzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
m+p-Xylene	10.8	µg/L	2	12/7/2011	WOZ	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
o-Xylene	2.79	µg/L	1	12/7/2011	WOZ	EPA 8021	
Toluene	8.45	µg/L	1	12/7/2011	WOZ	EPA 8021	
Diesel	ND	mg/L	0.1	12/6/2011	MJL	NWTPHDX	
Lube Oil	ND	mg/L	0.5	12/6/2011	MJL	NWTPHDX	
Gasoline	0.211	mg/L	0.1	12/7/2011	WOZ	NWTPHG	

Surrogate Data

Sample Number	111202043-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
4-Bromofluorobenzene	EPA 8021	104.1	70-130
hexacosane	NWTPHDX	88.2	50-150
4-Bromofluorobenzene	NWTPHG	99.9	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-004	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-29-112911	Sampling Time	3:57 PM	Extraction Date			
Matrix	Water	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	1.54	µg/L	1	12/7/2011	WOZ	EPA 8021	
Ethylbenzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
m+p-Xylene	ND	µg/L	2	12/7/2011	WOZ	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
o-Xylene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Toluene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Diesel	ND	mg/L	0.1	12/6/2011	MJL	NWTPHDX	
Lube Oil	ND	mg/L	0.5	12/6/2011	MJL	NWTPHDX	
Gasoline	ND	mg/L	0.1	12/7/2011	WOZ	NWTPHG	

Surrogate Data

Sample Number	111202043-004		
Surrogate Standard	Method	Percent Recovery	Control Limits
4-Bromofluorobenzene	EPA 8021	107.0	70-130
hexacosane	NWTPHDX	89.2	50-150
4-Bromofluorobenzene	NWTPHG	105.1	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-005	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DEV H20 MW-13, 14, 15	Sampling Time	1:30 PM	Extraction Date	
Matrix	Water	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Ethylbenzene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
m+p-Xylene	ND	µg/L	2	12/7/2011	WOZ	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
o-Xylene	1.03	µg/L	1	12/7/2011	WOZ	EPA 8021	
Toluene	ND	µg/L	1	12/7/2011	WOZ	EPA 8021	
Gasoline	0.104	mg/L	0.1	12/7/2011	WOZ	NWTPHG	

Surrogate Data

Sample Number	111202043-005			
Surrogate Standard		Method	Percent Recovery	Control Limits
4-Bromofluorobenzene		EPA 8021	106.6	70-130
4-Bromofluorobenzene		NWTPHG	105.0	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-006	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-26 (22-23)	Sampling Time	10:52 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/9/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/9/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.79	12/9/2011	WOZ	NWTPHG	
%moisture	4.9	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-006		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	96.0	70-130
4-Bromofluorobenzene	EPA 8260B	114.4	70-130
Toluene-d8	EPA 8260B	104.4	70-130
4-Bromofluorobenzene	NWTPHG	98.0	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-007	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (13-14)	Sampling Time	12:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/9/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/9/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.77	12/9/2011	WOZ	NWTPHG	
%moisture	10.4	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-007			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	104.4	70-130
4-Bromofluorobenzene		EPA 8260B	97.6	70-130
Toluene-d8		EPA 8260B	97.6	70-130
4-Bromofluorobenzene		NWTPHG	97.0	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-008	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (15-16)	Sampling Time	12:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/9/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/9/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.63	12/9/2011	WOZ	NWTPHG	
%moisture	14.1	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-008		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	99.6	70-130
4-Bromofluorobenzene	EPA 8260B	97.2	70-130
Toluene-d8	EPA 8260B	106.0	70-130
4-Bromofluorobenzene	NWTPHG	95.3	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-009	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (11-12)	Sampling Time	1:48 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/9/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/9/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.58	12/9/2011	WOZ	NWTPHG	
%moisture	7.6	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-009			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	99.2	70-130
4-Bromofluorobenzene		EPA 8260B	102.4	70-130
Toluene-d8		EPA 8260B	104.8	70-130
4-Bromofluorobenzene		NWTPHG	99.0	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-010	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (15-16)	Sampling Time	1:55 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/10/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/10/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.85	12/9/2011	WOZ	NWTPHG	
%moisture	10.1	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-010		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	97.2	70-130
4-Bromofluorobenzene	EPA 8260B	96.4	70-130
Toluene-d8	EPA 8260B	98.8	70-130
4-Bromofluorobenzene	NWTPHG	99.0	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-011	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (17-18)	Sampling Time	2:05 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/10/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/10/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.73	12/9/2011	WOZ	NWTPHG	
%moisture	14.4	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-011			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	97.6	70-130
4-Bromofluorobenzene		EPA 8260B	96.4	70-130
Toluene-d8		EPA 8260B	95.2	70-130
4-Bromofluorobenzene		NWTPHG	99.4	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-012	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (11-12)	Sampling Time	3:15 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/10/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/10/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.5	12/9/2011	WOZ	NWTPHG	
%moisture	14.3	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-012		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	100.8	70-130
4-Bromofluorobenzene	EPA 8260B	105.6	70-130
Toluene-d8	EPA 8260B	95.2	70-130
4-Bromofluorobenzene	NWTPHG	99.0	70-130

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(0504-058-02)

Analytical Results Report

Sample Number	111202043-013	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (14-15)	Sampling Time	3:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/10/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/10/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.5	12/9/2011	WOZ	NWTPHG	
%moisture	9.2	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-013		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	97.6	70-130
4-Bromofluorobenzene	EPA 8260B	103.6	70-130
Toluene-d8	EPA 8260B	91.2	70-130
4-Bromofluorobenzene	NWTPHG	98.7	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-014	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-30 (33-35)	Sampling Time	9:30 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.01325	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0201	mg/Kg	0.01325	12/12/2011	WOZ	EPA 8260B	
Toluene	0.0763	mg/Kg	0.01325	12/12/2011	WOZ	EPA 8260B	
Total Xylene	0.112	mg/Kg	0.0265	12/12/2011	WOZ	EPA 8260B	
Gasoline	3.13	mg/kg	2.65	12/9/2011	WOZ	NWTPHG	
%moisture	4.4	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-014			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	96.0	70-130	
4-Bromofluorobenzene	EPA 8260B	88.8	70-130	
Toluene-d8	EPA 8260B	96.0	70-130	
4-Bromofluorobenzene	NWTPHG	102.1	70-130	

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Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-015	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-31 (34-35)	Sampling Time	11:15 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.0133	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/Kg	0.0133	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/Kg	0.0133	12/12/2011	WOZ	EPA 8260B	
Total Xylene	ND	mg/Kg	0.0266	12/12/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.66	12/10/2011	WOZ	NWTPHG	
%moisture	8.4	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-015			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	93.2	70-130	
4-Bromofluorobenzene	EPA 8260B	102.0	70-130	
Toluene-d8	EPA 8260B	98.4	70-130	
4-Bromofluorobenzene	NWTPHG	102.1	70-130	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA: Cert2632; ID:WA00169; WA:C585; MT: Cert0095

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-016	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-32 (27-28)	Sampling Time	12:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.0145	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0432	mg/Kg	0.0145	12/12/2011	WOZ	EPA 8260B	
Toluene	0.0861	mg/Kg	0.0145	12/12/2011	WOZ	EPA 8260B	
Total Xylene	0.108	mg/Kg	0.029	12/12/2011	WOZ	EPA 8260B	
Gasoline	4.28	mg/kg	2.9	12/10/2011	WOZ	NWTPHG	
%moisture	5.3	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-016			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	97.6	70-130
4-Bromofluorobenzene		EPA 8260B	98.4	70-130
Toluene-d8		EPA 8260B	100.4	70-130
4-Bromofluorobenzene		NWTPHG	103.5	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-017	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-32 (36-40)	Sampling Time	12:50 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	0.117	mg/Kg	0.01275	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	0.293	mg/Kg	0.01275	12/12/2011	WOZ	EPA 8260B	
Toluene	1.26	mg/Kg	0.1595	12/12/2011	WOZ	EPA 8260B	
Total Xylene	2.02	mg/Kg	0.0255	12/12/2011	WOZ	EPA 8260B	
Gasoline	29.7	mg/kg	2.55	12/10/2011	WOZ	NWTPHG	
%moisture	7.6	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-017			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	102.0	70-130
4-Bromofluorobenzene		EPA 8260B	94.0	70-130
Toluene-d8		EPA 8260B	90.8	70-130
4-Bromofluorobenzene		NWTPHG	111.0	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-018	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-33 (27-28)	Sampling Time	2:00 PM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.01325	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/Kg	0.01325	12/13/2011	WOZ	EPA 8260B	
Toluene	0.0326	mg/Kg	0.01325	12/13/2011	WOZ	EPA 8260B	
Total Xylene	0.0713	mg/Kg	0.0265	12/13/2011	WOZ	EPA 8260B	
Gasoline	ND	mg/kg	2.65	12/10/2011	WOZ	NWTPHG	
%moisture	4.1	Percent		12/13/2011		%moisture	

Surrogate Data

Sample Number	111202043-018			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	96.0	70-130	
4-Bromofluorobenzene	EPA 8260B	97.2	70-130	
Toluene-d8	EPA 8260B	90.8	70-130	
4-Bromofluorobenzene	NWTPHG	100.4	70-130	

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Project Name: IONE PETROL. CONT.
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Analytical Results Report

Sample Number	111202043-019	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-33 (35-37)	Sampling Time	2:20 PM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.0123	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0175	mg/Kg	0.0123	12/13/2011	WOZ	EPA 8260B	
Toluene	0.0787	mg/Kg	0.0123	12/13/2011	WOZ	EPA 8260B	
Total Xylene	0.120	mg/Kg	0.0246	12/13/2011	WOZ	EPA 8260B	
Gasoline	3.09	mg/kg	2.5	12/12/2011	WOZ	NWTPHG	
%moisture	6.8	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-019			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	96.4	70-130	
4-Bromofluorobenzene	EPA 8260B	93.2	70-130	
Toluene-d8	EPA 8260B	92.8	70-130	
4-Bromofluorobenzene	NWTPHG	98.1	70-130	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-020	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-34 (7-8)	Sampling Time	2:45 PM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	16.9	mg/Kg	3.555	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	99.2	mg/Kg	3.555	12/13/2011	WOZ	EPA 8260B	
Toluene	267	mg/Kg	8.89	12/13/2011	WOZ	EPA 8260B	
Total Xylene	779	mg/Kg	7.11	12/13/2011	WOZ	EPA 8260B	
Gasoline	10600	mg/kg	356	12/13/2011	WOZ	NWTPHG	
%moisture	6.9	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-020			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	101.2	70-130	
4-Bromofluorobenzene	EPA 8260B	96.4	70-130	
Toluene-d8	EPA 8260B	103.6	70-130	
4-Bromofluorobenzene	NWTPHG	109.8	70-130	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-021	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-36 (19-20)	Sampling Time	9:10 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.01445	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0543	mg/Kg	0.01445	12/13/2011	WOZ	EPA 8260B	
Toluene	0.155	mg/Kg	0.01445	12/13/2011	WOZ	EPA 8260B	
Total Xylene	0.424	mg/Kg	0.0289	12/13/2011	WOZ	EPA 8260B	
Gasoline	14.2	mg/kg	2.89	12/12/2011	WOZ	NWTPHG	
%moisture	3.6	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-021			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	95.2	70-130	
4-Bromofluorobenzene	EPA 8260B	90.4	70-130	
Toluene-d8	EPA 8260B	102.4	70-130	
4-Bromofluorobenzene	NWTPHG	99.4	70-130	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-022	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-37 (19-20)	Sampling Time	9:40 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.0135	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0157	mg/Kg	0.0135	12/13/2011	WOZ	EPA 8260B	
Toluene	0.0761	mg/Kg	0.0135	12/13/2011	WOZ	EPA 8260B	
Total Xylene	0.105	mg/Kg	0.027	12/13/2011	WOZ	EPA 8260B	
Gasoline	6.10	mg/kg	2.7	12/13/2011	WOZ	NWTPHG	
%moisture	1.6	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-022			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260B	100.8	70-130
4-Bromofluorobenzene		EPA 8260B	94.4	70-130
Toluene-d8		EPA 8260B	115.2	70-130
4-Bromofluorobenzene		NWTPHG	98.9	70-130

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-023	Sampling Date	12/11/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-37 (27-28)	Sampling Time	10:00 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	0.0835	mg/Kg	0.01355	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0504	mg/Kg	0.01355	12/13/2011	WOZ	EPA 8260B	
Toluene	0.368	mg/Kg	0.01355	12/13/2011	WOZ	EPA 8260B	
Total Xylene	0.381	mg/Kg	0.0271	12/13/2011	WOZ	EPA 8260B	
Gasoline	7.78	mg/kg	2.71	12/12/2011	WOZ	NWTPHG	
%moisture	4.7	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-023			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	95.2	70-130	
4-Bromofluorobenzene	EPA 8260B	91.2	70-130	
Toluene-d8	EPA 8260B	104.8	70-130	
4-Bromofluorobenzene	NWTPHG	98.1	70-130	

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Analytical Results Report

Sample Number	111202043-024	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-38 (7-8)	Sampling Time	10:55 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	0.224	mg/Kg	0.01745	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	0.214	mg/Kg	0.01745	12/13/2011	WOZ	EPA 8260B	
Toluene	0.951	mg/Kg	0.01745	12/13/2011	WOZ	EPA 8260B	
Total Xylene	1.60	mg/Kg	0.0349	12/13/2011	WOZ	EPA 8260B	
Gasoline	24.0	mg/kg	2.79	12/12/2011	WOZ	NWTPHG	
%moisture	10.6	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-024			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	100.0	70-130	
4-Bromofluorobenzene	EPA 8260B	88.0	70-130	
Toluene-d8	EPA 8260B	90.0	70-130	
4-Bromofluorobenzene	NWTPHG	99.9	70-130	

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Batch #: 111202043
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(0504-058-02)

Analytical Results Report

Sample Number	111202043-025	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-38 (15-16)	Sampling Time	11:05 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	0.0374	mg/Kg	0.01485	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	0.0903	mg/Kg	0.01485	12/13/2011	WOZ	EPA 8260B	
Toluene	0.378	mg/Kg	0.01485	12/13/2011	WOZ	EPA 8260B	
Total Xylene	0.658	mg/Kg	0.0297	12/13/2011	WOZ	EPA 8260B	
Gasoline	11.8	mg/kg	2.97	12/12/2011	WOZ	NWTPHG	
%moisture	4.5	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-025			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	93.2	70-130	
4-Bromofluorobenzene	EPA 8260B	89.2	70-130	
Toluene-d8	EPA 8260B	108.8	70-130	
4-Bromofluorobenzene	NWTPHG	101.2	70-130	

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Batch #: 111202043
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Analytical Results Report

Sample Number	111202043-026	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-39 (10-12)	Sampling Time	11:30 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	4.14	mg/Kg	3.3935	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	106	mg/Kg	3.3935	12/13/2011	WOZ	EPA 8260B	
Toluene	215	mg/Kg	3.3935	12/13/2011	WOZ	EPA 8260B	
Total Xylene	658	mg/Kg	6.787	12/13/2011	WOZ	EPA 8260B	
Gasoline	9140	mg/kg	339	12/13/2011	WOZ	NWTPHG	
%moisture	10.7	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-026			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	99.2	70-130	
4-Bromofluorobenzene	EPA 8260B	92.4	70-130	
Toluene-d8	EPA 8260B	96.0	70-130	
4-Bromofluorobenzene	NWTPHG	106.6	70-130	

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(0504-058-02)

Analytical Results Report

Sample Number	111202043-027	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-40 (7-8)	Sampling Time	11:50 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	34.2	mg/Kg	1.66	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	88.7	mg/Kg	1.66	12/13/2011	WOZ	EPA 8260B	
Toluene	466	mg/Kg	16.6	12/13/2011	WOZ	EPA 8260B	
Total Xylene	1870	mg/Kg	33.2	12/13/2011	WOZ	EPA 8260B	
Gasoline	17200	mg/kg	332	12/13/2011	WOZ	NWTPHG	
%moisture	11.3	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-027			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	106.4	70-130	
4-Bromofluorobenzene	EPA 8260B	94.0	70-130	
Toluene-d8	EPA 8260B	90.0	70-130	
4-Bromofluorobenzene	NWTPHG	95.8	70-130	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-028	Sampling Date	11/30/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	DP-35 (19-20)	Sampling Time	3:30 PM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	mg/Kg	0.0139	12/13/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/Kg	0.0139	12/13/2011	WOZ	EPA 8260B	
Toluene	ND	mg/Kg	0.0139	12/13/2011	WOZ	EPA 8260B	
Total Xylene	ND	mg/Kg	0.0278	12/13/2011	WOZ	EPA 8260B	
Gasoline	12.6	mg/kg	2.78	12/12/2011	WOZ	NWTPHG	
%moisture	4.7	Percent		12/13/2011	APM	%moisture	

Surrogate Data

Sample Number	111202043-028			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260B	99.2	70-130	
4-Bromofluorobenzene	EPA 8260B	87.6	70-130	
Toluene-d8	EPA 8260B	94.8	70-130	
4-Bromofluorobenzene	NWTPHG	101.9	70-130	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-029	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM		
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date			
Matrix	Water	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	µg/L	1	12/8/2011	WOZ	EPA 8021	
Ethylbenzene	ND	µg/L	1	12/8/2011	WOZ	EPA 8021	
m+p-Xylene	ND	µg/L	2	12/8/2011	WOZ	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/8/2011	WOZ	EPA 8021	
o-Xylene	ND	µg/L	1	12/8/2011	WOZ	EPA 8021	
Toluene	ND	µg/L	1	12/8/2011	WOZ	EPA 8021	
Gasoline	ND	mg/L	0.1	12/8/2011	WOZ	NWTPHG	

Surrogate Data

Sample Number	111202043-029			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	104.8	70-130	
4-Bromofluorobenzene	NWTPHG	102.5	70-130	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

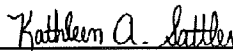
Sample Number	111202043-030	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	MEOH TRIP	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dibromoethane (EDB)	ND	mg/kg	0.001	12/10/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/Kg	0.005	12/10/2011	WOZ	EPA 8260B	

Surrogate Data

Sample Number	111202043-030		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	105.2	70-130
4-Bromofluorobenzene	EPA 8260B	93.6	70-130
Toluene-d8	EPA 8260B	101.2	70-130

Authorized Signature


Kathy Sattler, Lab Manager

H2 Initial analysis within holding time, Reanalysis for the required dilution was past holding time
MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-006	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-26 (22-23)	Sampling Time	10:52 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.06975	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.06975	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-006	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-26 (22-23)	Sampling Time	10:52 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chlorobenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Chloroethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.06975	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.06975	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.06975	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.01395	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-006	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-26 (22-23)	Sampling Time	10:52 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-006						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		97.2		70-130	
4-Bromofluorobenzene		EPA 8260B		94.0		70-130	
Toluene-d8		EPA 8260B		96.4		70-130	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-007	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (13-14)	Sampling Time	12:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.06925	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.06925	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-007	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (13-14)	Sampling Time	12:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.06925	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.06925	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.06925	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.01385	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-007	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (13-14)	Sampling Time	12:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-007						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		101.8		70-130	
4-Bromofluorobenzene		EPA 8260B		100.4		70-130	
Toluene-d8		EPA 8260B		104.4		70-130	

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-008	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (15-16)	Sampling Time	12:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.06575	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.06575	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA: Cert2632; ID:WA00169; WA:C585; MT: Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-008	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (15-16)	Sampling Time	12:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.06575	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.06575	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.06575	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.01315	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-008	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-27 (15-16)	Sampling Time	12:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-008						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		100.0		70-130	
4-Bromofluorobenzene		EPA 8260B		91.2		70-130	
Toluene-d8		EPA 8260B		103.6		70-130	

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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-009	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (11-12)	Sampling Time	1:48 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.0645	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.0645	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-009	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (11-12)	Sampling Time	1:48 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.0645	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.0645	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.0645	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.0129	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-009	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (11-12)	Sampling Time	1:48 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-009						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		97.2		70-130	
4-Bromofluorobenzene		EPA 8260B		98.8		70-130	
Toluene-d8		EPA 8260B		105.2		70-130	

Anatek Labs, Inc.

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-010	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (15-16)	Sampling Time	1:55 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.07125	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.07125	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number 111202043-010 **Sampling Date** 11/29/2011 **Date/Time Received** 12/2/2011 4:08 PM
Client Sample ID DP-28 (15-16) **Sampling Time** 1:55 PM **Extraction Date**
Matrix Soil **Sample Location**
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.07125	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.07125	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.07125	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.01425	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-010	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (15-16)	Sampling Time	1:55 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-010						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		95.6		70-130	
4-Bromofluorobenzene		EPA 8260B		101.2		70-130	
Toluene-d8		EPA 8260B		97.2		70-130	

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(0504-058-02)

Analytical Results Report

Sample Number	111202043-011	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (17-18)	Sampling Time	2:05 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.06825	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.06825	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-011	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (17-18)	Sampling Time	2:05 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.06825	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.06825	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.06825	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.01365	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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(0504-058-02)

Analytical Results Report

Sample Number	111202043-011	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-28 (17-18)	Sampling Time	2:05 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-011						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		100.4		70-130	
4-Bromofluorobenzene		EPA 8260B		86.8		70-130	
Toluene-d8		EPA 8260B		103.6		70-130	

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(0504-058-02)

Analytical Results Report

Sample Number	111202043-012	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (11-12)	Sampling Time	3:15 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.06225	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.06225	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-012	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (11-12)	Sampling Time	3:15 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.06225	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.06225	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.06225	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.01245	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA: Cert2632; ID:WA00169; WA:C585; MT: Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-012	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (11-12)	Sampling Time	3:15 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-012						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		98.0		70-130	
4-Bromofluorobenzene		EPA 8260B		90.8		70-130	
Toluene-d8		EPA 8260B		94.0		70-130	

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(0504-058-02)

Analytical Results Report

Sample Number	111202043-013	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (14-15)	Sampling Time	3:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.0585	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.0585	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number 111202043-013 **Sampling Date** 11/29/2011 **Date/Time Received** 12/2/2011 4:08 PM
Client Sample ID DP-29 (14-15) **Sampling Time** 3:20 PM **Extraction Date**
Matrix Soil **Sample Location**
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.0585	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.0585	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.0585	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.0117	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-013	Sampling Date	11/29/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	DP-29 (14-15)	Sampling Time	3:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	111202043-013						
Surrogate Standard		Method		Percent Recovery		Control Limits	
1,2-Dichlorobenzene-d4		EPA 8260B		91.2		70-130	
4-Bromofluorobenzene		EPA 8260B		98.0		70-130	
Toluene-d8		EPA 8260B		96.0		70-130	

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-030	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	MEOH TRIP	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,1,1-Trichloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,1,2-Trichloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,1-Dichloroethene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,1-dichloropropene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2,3-Trichloropropane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2-Dibromoethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2-Dichlorobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,2-Dichloropropane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,3-Dichlorobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,3-Dichloropropane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
1,4-Dichlorobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
2,2-Dichloropropane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
2-Chlorotoluene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
2-hexanone	ND	mg/kg	0.0625	12/12/2011	WOZ	EPA 8260B	
4-Chlorotoluene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Acetone	ND	mg/kg	0.0625	12/12/2011	WOZ	EPA 8260B	
Acrylonitrile	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Benzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Bromobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Bromochloromethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Bromodichloromethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Bromoform	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Bromomethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Carbon disulfide	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Carbon Tetrachloride	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Chlorobenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number 111202043-030 **Sampling Date** 12/1/2011 **Date/Time Received** 12/2/2011 4:08 PM
Client Sample ID MEOH TRIP **Sampling Time** **Extraction Date**
Matrix Soil **Sample Location**
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Chloroethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Chloroform	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Chloromethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
cis-1,2-dichloroethene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
cis-1,3-Dichloropropene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Dibromochloromethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Dibromomethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Dichlorodifluoromethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Ethylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Hexachlorobutadiene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Isopropylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
m+p-Xylene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	mg/kg	0.0625	12/12/2011	WOZ	EPA 8260B	
Methyl isobutyl ketone (MIBK)	ND	mg/kg	0.0625	12/12/2011	WOZ	EPA 8260B	
Methylene chloride	ND	mg/kg	0.0625	12/12/2011	WOZ	EPA 8260B	
methyl-t-butyl ether (MTBE)	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Naphthalene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
n-Butylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
n-Propylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
o-Xylene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
p-isopropyltoluene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
sec-Butylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Styrene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
tert-Butylbenzene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Tetrachloroethene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Toluene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
trans-1,2-Dichloroethene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
trans-1,3-Dichloropropene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Trichloroethene	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Trichlorofluoromethane	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	
Vinyl Chloride	ND	mg/kg	0.0125	12/12/2011	WOZ	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 111202043
Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Sample Number	111202043-030	Sampling Date	12/1/2011	Date/Time Received	12/2/2011 4:08 PM
Client Sample ID	MEOH TRIP	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
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Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
111202043-030	1,2-Dichlorobenzene-d4	EPA 8260B	96.4	70-130
	4-Bromofluorobenzene	EPA 8260B	94.8	70-130
	Toluene-d8	EPA 8260B	102.8	70-130

Authorized Signature


Kathy Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	0.00445	mg/L	0.005	89.0	72-125	12/12/2011	12/12/2011
Toluene	0.00406	mg/L	0.005	81.2	76-123	12/12/2011	12/12/2011
Tetrachloroethene	0.00430	mg/L	0.005	86.0	64-132	12/12/2011	12/12/2011
o-Xylene	0.00409	mg/L	0.005	81.8	83-117	12/12/2011	12/12/2011
Ethylbenzene	0.00453	mg/L	0.005	90.6	84-115	12/12/2011	12/12/2011
Chlorobenzene	0.00469	mg/L	0.005	93.8	85-115	12/12/2011	12/12/2011
Benzene	0.00442	mg/L	0.005	88.4	75-125	12/12/2011	12/12/2011
1,1-Dichloroethene	0.00405	mg/L	0.005	81.0	68-127	12/12/2011	12/12/2011

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,1,1-Trichloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,1,2,2-Tetrachloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,1,2-Trichloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,1-Dichloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,1-Dichloroethene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,1-dichloropropene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2,3-Trichlorobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2,3-Trichloropropane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2,4-Trichlorobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2,4-Trimethylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2-Dibromo-3-chloropropane(DBCP)	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2-Dibromoethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2-Dichlorobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2-Dichloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,2-Dichloropropane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,3,5-Trimethylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,3-Dichlorobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
1,3-Dichloropropane	ND	mg/L	0.5	12/12/2011	12/12/2011
1,4-Dichlorobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
2,2-Dichloropropane	ND	mg/L	0.5	12/12/2011	12/12/2011
2-Chlorotoluene	ND	mg/L	0.5	12/12/2011	12/12/2011

Comments:

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Batch #: 111202043
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(0504-058-02)

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
2-hexanone	ND	mg/L	2.5	12/12/2011	12/12/2011
4-Chlorotoluene	ND	mg/L	0.5	12/12/2011	12/12/2011
Acetone	ND	mg/L	2.5	12/12/2011	12/12/2011
Acrylonitrile	ND	mg/L	0.5	12/12/2011	12/12/2011
Benzene	ND	mg/L	0.5	12/12/2011	12/12/2011
Bromobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
Bromochloromethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Bromodichloromethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Bromoform	ND	mg/L	0.5	12/12/2011	12/12/2011
Bromomethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Carbon disulfide	ND	mg/L	0.5	12/12/2011	12/12/2011
Carbon Tetrachloride	ND	mg/L	0.5	12/12/2011	12/12/2011
Chlorobenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
Chloroethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Chloroform	ND	mg/L	0.5	12/12/2011	12/12/2011
Chloromethane	ND	mg/L	0.5	12/12/2011	12/12/2011
cis-1,2-dichloroethene	ND	mg/L	0.5	12/12/2011	12/12/2011
cis-1,3-Dichloropropene	ND	mg/L	0.5	12/12/2011	12/12/2011
Dibromochloromethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Dibromomethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Dichlorodifluoromethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Ethylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
Hexachlorobutadiene	ND	mg/L	0.5	12/12/2011	12/12/2011
Isopropylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
m+p-Xylene	ND	mg/L	0.5	12/12/2011	12/12/2011
Methyl ethyl ketone (MEK)	ND	mg/L	2.5	12/12/2011	12/12/2011
Methyl isobutyl ketone (MIBK)	ND	mg/L	2.5	12/12/2011	12/12/2011
Methylene chloride	ND	mg/L	2.5	12/12/2011	12/12/2011
methyl-t-butyl ether (MTBE)	ND	mg/L	0.5	12/12/2011	12/12/2011
Naphthalene	ND	mg/L	0.5	12/12/2011	12/12/2011
n-Butylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
n-Propylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
o-Xylene	ND	mg/L	0.5	12/12/2011	12/12/2011
p-isopropyltoluene	ND	mg/L	0.5	12/12/2011	12/12/2011
sec-Butylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011
Styrene	ND	mg/L	0.5	12/12/2011	12/12/2011
tert-Butylbenzene	ND	mg/L	0.5	12/12/2011	12/12/2011

Comments:

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(0504-058-02)

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Tetrachloroethene	ND	mg/L	0.5	12/12/2011	12/12/2011
Toluene	ND	mg/L	0.5	12/12/2011	12/12/2011
trans-1,2-Dichloroethene	ND	mg/L	0.5	12/12/2011	12/12/2011
trans-1,3-Dichloropropene	ND	mg/L	0.5	12/12/2011	12/12/2011
Trichloroethene	ND	mg/L	0.5	12/12/2011	12/12/2011
Trichloroflouromethane	ND	mg/L	0.5	12/12/2011	12/12/2011
Vinyl Chloride	ND	mg/L	0.5	12/12/2011	12/12/2011

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

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Project Name: IONE PETROL. CONT.
(0504-058-02)

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Gasoline	0.982	mg/L	1.1	89.3	70-130	12/9/2011	12/9/2011
Gasoline	1.07	mg/L	1.1	97.3	70-130	12/7/2011	12/7/2011
Toluene	102	µg/L	106	96.2	70-130	12/7/2011	12/7/2011
o-Xylene	34.9	µg/L	38	91.8	70-130	12/7/2011	12/7/2011
m+p-Xylene	79.5	µg/L	87.2	91.2	70-130	12/7/2011	12/7/2011
Ethylbenzene	22.5	µg/L	26.2	85.9	70-130	12/7/2011	12/7/2011
Benzene	13.5	µg/L	13.8	97.8	70-130	12/7/2011	12/7/2011
Diesel	0.765	mg/L	1	76.5	50-150	12/6/2011	12/6/2011

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
111202043-001	Gasoline	0.107	1.13	mg/L	1.1	93.0	70-130	12/7/2011	12/7/2011
111202043-001	Toluene	ND	101	µg/L	106	95.3	70-130	12/7/2011	12/7/2011
111202043-001	o-Xylene	2.08	36.5	µg/L	38	90.6	70-130	12/7/2011	12/7/2011
111202043-001	m+p-Xylene	ND	79.3	µg/L	87.2	90.9	70-130	12/7/2011	12/7/2011
111202043-001	Ethylbenzene	ND	23.1	µg/L	26.2	88.2	70-130	12/7/2011	12/7/2011
111202043-001	Benzene	33.1	46.6	µg/L	13.8	97.8	70-130	12/7/2011	12/7/2011
111123022-005	Diesel	ND	0.957	mg/L	1	95.7	50-150	12/6/2011	12/6/2011

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Gasoline	1.17	mg/L	1.1	96.6	3.5	0-20	12/7/2011	12/7/2011
Toluene	106	µg/L	106	100.0	4.8	0-20	12/7/2011	12/7/2011
o-Xylene	37.8	µg/L	38	94.0	3.5	0-20	12/7/2011	12/7/2011
m+p-Xylene	83.4	µg/L	87.2	95.6	5.0	0-20	12/7/2011	12/7/2011
Ethylbenzene	23.2	µg/L	26.2	88.5	0.4	0-20	12/7/2011	12/7/2011
Benzene	46.8	µg/L	13.8	99.3	0.4	0-20	12/7/2011	12/7/2011
Diesel	0.984	mg/L	1	98.4	2.8	0-50	12/6/2011	12/6/2011

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
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Comments:

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(0504-058-02)

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,2-Dibromoethane (EDB)	ND	mg/L	0.00005	12/9/2011	12/9/2011
1,2-Dichloroethane	ND	mg/L	0.001	12/9/2011	12/9/2011
Benzene	ND	µg/L	1	12/7/2011	12/7/2011
Diesel	ND	mg/L	0.1	12/6/2011	12/6/2011
Ethylbenzene	ND	µg/L	1	12/7/2011	12/7/2011
Gasoline	ND	mg/L	0.1	12/9/2011	12/9/2011
Gasoline	ND	mg/L	0.1	12/7/2011	12/7/2011
Lube Oil	ND	mg/L	0.5	12/6/2011	12/6/2011
m+p-Xylene	ND	µg/L	2	12/7/2011	12/7/2011
methyl-t-butyl ether (MTBE)	ND	µg/L	1	12/7/2011	12/7/2011
o-Xylene	ND	µg/L	1	12/7/2011	12/7/2011
Toluene	ND	µg/L	1	12/7/2011	12/7/2011

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

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Login Report

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 111202043

Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

Sample #: 111202043-001 Customer Sample #: DP-26-112911

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Water Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8021	S	EPA 8021	12/12/2011	<u>Normal (6-10 Days)</u>
TPHDX-NW	S	NWTPHDX	12/9/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/9/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-002 Customer Sample #: DP-27-112911

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Water Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8021	S	EPA 8021	12/12/2011	<u>Normal (6-10 Days)</u>
TPHDX-NW	S	NWTPHDX	12/9/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/9/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-003 Customer Sample #: DP-28-112911

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Water Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8021	S	EPA 8021	12/12/2011	<u>Normal (6-10 Days)</u>
TPHDX-NW	S	NWTPHDX	12/9/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/9/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND
SPOKANE

WA 99202

Order ID: 111202043

Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

Sample #: 111202043-004 Customer Sample #: DP-29-112911

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Water Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8021	S	EPA 8021	12/12/2011	<u>Normal (6-10 Days)</u>
TPHDX-NW	S	NWTPHDX	12/9/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/9/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-005 Customer Sample #: DEV H2O MW-13, 14, 15

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Water Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8021	S	EPA 8021	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/9/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-006 Customer Sample #: DP-26 (22-23)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-007 Customer Sample #: DP-27 (13-14)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE

WA 99202

Order ID: 111202043
Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-008 Customer Sample #: DP-27 (15-16)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-009 Customer Sample #: DP-28 (11-12)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-010 Customer Sample #: DP-28 (15-16)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND
SPOKANE

WA 99202

Order ID: 111202043

Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

Sample #: 111202043-011 Customer Sample #: DP-28 (17-18)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-012 Customer Sample #: DP-29 (11-12)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-013 Customer Sample #: DP-29 (14-15)

Recv'd: Collector: Date Collected: 11/29/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
RBCA COCS FOR GAS	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 111202043

Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

Sample #: 111202043-014 Customer Sample #: DP-30 (33-35)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-015 Customer Sample #: DP-31 (34-35)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-016 Customer Sample #: DP-32 (27-28)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-017 Customer Sample #: DP-32 (36-40)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 111202043
Order Date: 12/2/2011

Contact Name: DAVE LAUDER
Comment:

Project Name: IONE PETROL. CONT.
(0504-058-02)

BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-018 Customer Sample #: DP-33 (27-28)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-019 Customer Sample #: DP-33 (35-37)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-020 Customer Sample #: DP-34 (7-8)

Recv'd: Collector: Date Collected: 11/30/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE

WA 99202

Order ID: 111202043
Order Date: 12/2/2011

Contact Name: DAVE LAUDER
Comment:

Project Name: IONE PETROL. CONT.
(0504-058-02)

Sample #: 111202043-021 Customer Sample #: DP-36 (19-20)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-022 Customer Sample #: DP-37 (19-20)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-023 Customer Sample #: DP-37 (27-28)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-024 Customer Sample #: DP-38 (7-8)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 111202043
Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-025 Customer Sample #: DP-38 (15-16)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-026 Customer Sample #: DP-39 (10-12)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-027 Customer Sample #: DP-40 (7-8)

Recv'd: Collector: Date Collected: 12/1/2011
Quantity: 1 Matrix: Soil Date Received: 12/2/2011 4:08:16 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 111202043

Order Date: 12/2/2011

Contact Name: DAVE LAUDER

Project Name: IONE PETROL. CONT.
(0504-058-02)

Comment:

Sample #: 111202043-028 Customer Sample #: DP-35 (19-20)

Recv'd:

Collector:

Date Collected: 11/30/2011

Quantity: 1

Matrix: Soil

Date Received: 12/2/2011 4:08:16 P

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/12/2011	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>

Sample #: 111202043-029 Customer Sample #: TRIP BLANK

Recv'd:

Collector:

Date Collected: 11/29/2011

Quantity: 1

Matrix: Water

Date Received: 12/2/2011 4:08:16 P

Comment:

Test	Lab	Method	Due Date	Priority
BTEX 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/12/2011	<u>Normal (6-10 Days)</u>
VOLATILES 8260	S	EPA 8260B	12/12/2011	<u>Normal (6-10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	3.3
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	Yes
Labels and chain agree?	Yes



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

111202 043 **GEOE** Last Due 12/12/2011
 1st SAMP 11/29/2011 1st RCVD 12/2/2011
 ONE PETROL. CONT. (0504-058-02)

Company Name: GeoEngineers Inc.	Project Manager: Dave Lauder
Address: 523 East 2nd Avenue	Project Name & #: lone Petrol. Cont. (0504-058-02)
City: Spokane State: WA Zip: 99202	Email Address: DLauder@geoengineers.com
Phone: (509) 363-3125	Purchase Order #:
Fax: (509) 363-3126	Sampler Name & phone: Kevin Randall (435-764-7169)

<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal
 Next Day*
 2nd Day*
 Other*

All rush order requests must be prior approved.
 Phone
 Mail
 Fax
 Email

Provide Sample Description				List Analyses Requested									
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative		MUTPH-GX	MUTPH-DX	BTEX	VOCs	Env. APC*			
				# of Containers	Sample Volume								
1	DP-26-112911	11/29/11 @ 1126	W	3		X	X	X					
2	DP-27-112911	11/29/11 @ 1314	W	3		X	X	X					
3	DP-28-112911	11/29/11 @ 1420	W	3		X	X	X					
4	DP-29-112911	11/29/11 @ 1557	W	3		X	X	X					
5	Pen. H ₂ O MW-13, MW-15	12/1/11 @ 1330	W	2		X		X		X			
6	DP-26(22-23)	11/29/11 @ 1052	S	2		X		X		X			
7	DP-27(13-14)	11/29/11 @ 1220	S	2		X		X		X			
8	DP-27(15-16)	11/29/11 @ 1230	S	2		X		X		X			
9	DP-28(11-12)	11/29/11 @ 1348	S	2		X		X		X			
10	DP-28(15-16)	11/29/11 @ 1355	S	2		X		X		X			
11	DP-28(17-18)	11/29/11 @ 1405	S	2		X		X		X			
12	DP-29(11-12)	11/29/11 @ 1515	S	2		X		X		X			
13	DP-29(14-15)	11/29/11 @ 1520	S	2		X		X		X			

Note Special Instructions/Comments

COC 1/3
 for Dave

SWBS

all sp

VOA 22
 VOA 23
 VOA 24
 VOA 25
 VOA 26
 VOA 27
 VOA 28
 VOA 29

Inspection Checklist		
Received Intact?	(Y)	(N)
Labels & Chains Agree?	(Y)	(N)
Containers Sealed?	(Y)	(N)
VOC Head Space?	(Y)	(N)
Cooler w/icepacks		
Temperature (°C):	33	
Preservative:	HCl	
Date & Time:	12/2/11 1530	
Inspected By:	KLA	

	Printed Name	Signature	Company	Date	Time
Relinquished by	Kevin Randall	<i>Kevin Randall</i>	GEE	12/2/11	
Received by	Kristi Anderson	<i>Kristi Anderson</i>	Anatek Labs	12/2/11	1500
Relinquished by					
Received by					
Relinquished by					
Received by					



Anatek
Labs,
Inc.

Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

111202 043 **GEOE** Last Due: 12/12/2011
1st SAMP 11/29/201 1st RCVD 12/2/2011
ONE PETROL CONT. (0504-058-02)

Company Name: **GeoEngineers Inc.** Project Manager: **Dave Lauder**
Address: **523 East 2nd Avenue** Project Name & #: **One Petrol. Cont. (0504-058-02)**
City: **Spokane** State: **WA** Zip: **99202** Email Address: **DLauder@geoengineers.com**
Phone: **(509) 363-3125** Purchase Order #:
Fax: **(509) 363-3126** Sampler Name & phone: **Kevin Randall (435-764-7169)**

<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal *All rush order requests must be prior approved. Phone
Next Day* Mail
2nd Day* Fax
Other* Email

Provide Sample Description **List Analyses Requested**

VOA Z10
VOA Z11
VOA Z12
VOA Z13
VOA Z14
VOA Z15
VOA Z16
VOA Z17
VOA Z18
VOA Z19
VOA Z20
VOA Z21
VOA Z22

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:			BTEX*	
				# of Containers	Sample Volume	Method		
14	DP-30 (33-35)	11/30/11 @ 0930	S	2		X	X	X
15	DP-31 (34-35)	11/30/11 @ 1115	S	2		X	X	
16	DP-32 (27-28)	11/30/11 @ 1230	S	2		X	X	
17	DP-32 (36-40)	11/30/11 @ 1250	S	2		X	X	
18	DP-33 (27-28)	11/30/11 @ 1400	S	2		X	X	
19	DP-33 (35-37)	11/30/11 @ 1420	S	2		X	X	
20	DP-34 (7-8)	11/30/11 @ 1445	S	2		X	X	
21	DP-36 (19-20)	12/1/11 @ 0910	S	2		X	X	
22	DP-37 (19-20)	12/1/11 @ 0940	S	2		X	X	
23	DP-37 (27-28)	12/1/11 @ 1000	S	2		X	X	
24	DP-38 (7-8)	12/1/11 @ 1055	S	2		X	X	
25	DP-38 (15-16)	12/1/11 @ 1105	S	2		X	X	
26	DP-39 (10-12)	12/1/11 @ 1130	S	2		X	X	

Note Special Instructions/Comments

COC 2/3
* Per Dave
G/BTEX

Inspection Checklist

Received Intact? Y N
Labels & Chains Agree? Y N
Containers Sealed? Y N
VOC Head Space? Y N

Cooler w/icepack
Temperature (°C): 3.3
Preservative: HCl
Date & Time: 12/2/11 1500
Inspected By: KLR

	Printed Name	Signature	Company	Date	Time
Relinquished by	Kevin Randall	<i>Kevin Randall</i>	GEL	12/1/11	1500
Received by	Katie Anderson	<i>Katie Anderson</i>	Anatek Labs	12/2/11	1500
Relinquished by					
Received by					
Relinquished by					
Received by					



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

111202 043 **GEOE** Last Due 12/12/2011
 1st SAMP 11/29/201 1st RCVD 12/2/2011
 ONE PETROL. CONT. (0504-058-02)

Company Name: **GeoEngineers Inc.** Project Manager: **Dave Lauder**
 Address: **523 East 2nd Avenue** Project Name & #: **One Petrol. Cont. (0504-058-02)**
 City: **Spokane** State: **WA** Zip: **99202** Email Address: **DLauder@geoengineers.com**
 Phone: **(509) 363-3125** Purchase Order #:
 Fax: **(509) 363-3126** Sampler Name & phone: **Kevin Randall (435-764-7169)**

Please refer to our normal turn around times at
<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal *All rush order requests must be prior approved. Phone
 Next Day* Mail
 2nd Day* Fax
 Other* Email

Provide Sample Description

List Analyses Requested

Note Special Instructions/Comments

COC 3/3

VOA223
VOA224

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:														
				# of Containers	Sample Volume	NMTPH-GX												VOC's
27	DP-40 (7-8)	12/1/11 @ 1150	S	2		X	X	X										
28	DP-35 (19-20)	11/30/11 @ 1530	S	2		X	X	X										
29	trip blank																	

Inspection Checklist

Received Intact? Y N
 Labels & Chains Agree? Y N
 Containers Sealed? Y N
 VOC Head Space? Y N

Cooler w/ice pack
 Temperature (°C): 5.3
 Preservative: HCL
 Date & Time: 12/2/11 1500
 Inspected By: KCR

	Printed Name	Signature	Company	Date	Time
Relinquished by	Kevin Randall	<i>Kevin Randall</i>	GEI	12/2/11	1500
Received by	Kristen Anderson	<i>Kristen Anderson</i>	Anatek Labs	12/2/11	1500
Relinquished by					
Received by					
Relinquished by					
Received by					

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-001	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	SVE-1 (5)	Sampling Time	1:00 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	595	mg/kg	30	4/18/2012	WOZ	NWTPHG	
Benzene	1130	µg/Kg	600	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	4730	µg/Kg	600	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	22500	µg/Kg	1200	4/24/2012	WOZ	EPA 8260C	
o-Xylene	11300	µg/Kg	600	4/24/2012	WOZ	EPA 8260C	
Toluene	14800	µg/Kg	600	4/24/2012	WOZ	EPA 8260C	
%moisture	15.4	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-001		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130
4-Bromofluorobenzene	EPA 8260C	100.8	70-130
Toluene-d8	EPA 8260C	92.8	70-130
4-Bromofluorobenzene	NWTPHG	109.8	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-002	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	SVE-1 (10)	Sampling Time	1:15 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	13500	mg/kg	173.9	4/19/2012	WOZ	NWTPHG	
Benzene	54000	µg/Kg	8690	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	224000	µg/Kg	8690	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	965000	µg/Kg	17380	4/24/2012	WOZ	EPA 8260C	
o-Xylene	382000	µg/Kg	8690	4/24/2012	WOZ	EPA 8260C	
Toluene	752000	µg/Kg	17400	4/24/2012	WOZ	EPA 8260C	
%moisture	6.4	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	101.2	70-130
4-Bromofluorobenzene	EPA 8260C	102.4	70-130
Toluene-d8	EPA 8260C	123.6	70-130
4-Bromofluorobenzene	NWTPHG	106.2	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-003	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	SVE-1 (20)	Sampling Time	1:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	15600	mg/kg	196.7	4/19/2012	WOZ	NWTPHG	
Benzene	106000	µg/Kg	19700	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	431000	µg/Kg	19700	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	1720000	µg/Kg	39400	4/24/2012	WOZ	EPA 8260C	
o-Xylene	683000	µg/Kg	19700	4/24/2012	WOZ	EPA 8260C	
Toluene	1470000	µg/Kg	19700	4/24/2012	WOZ	EPA 8260C	
%moisture	6.7	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.8	70-130
4-Bromofluorobenzene	EPA 8260C	100.8	70-130
Toluene-d8	EPA 8260C	90.4	70-130
4-Bromofluorobenzene	NWTPHG	107.7	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-005	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	SVE-2 (15)	Sampling Time	3:00 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	46.0	mg/kg	2.93	4/19/2012	WOZ	NWTPHG	
Benzene	42.3	µg/Kg	18.4	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	305	µg/Kg	18.4	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	1600	µg/Kg	36.8	4/24/2012	WOZ	EPA 8260C	
o-Xylene	844	µg/Kg	18.4	4/24/2012	WOZ	EPA 8260C	
Toluene	815	µg/Kg	18.4	4/24/2012	WOZ	EPA 8260C	
%moisture	4.6	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-005		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	103.6	70-130
4-Bromofluorobenzene	EPA 8260C	100.0	70-130
Toluene-d8	EPA 8260C	115.6	70-130
4-Bromofluorobenzene	NWTPHG	110.0	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-006	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	SVE-2 (25)	Sampling Time	3:10 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	948	mg/kg	34.3	4/19/2012	WOZ	NWTPHG	
Benzene	396	µg/Kg	343	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	6200	µg/Kg	343	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	29900	µg/Kg	686	4/24/2012	WOZ	EPA 8260C	
o-Xylene	14900	µg/Kg	343	4/24/2012	WOZ	EPA 8260C	
Toluene	12900	µg/Kg	343	4/24/2012	WOZ	EPA 8260C	
%moisture	8.6	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-006			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C	102.0	70-130
4-Bromofluorobenzene		EPA 8260C	103.2	70-130
Toluene-d8		EPA 8260C	90.4	70-130
4-Bromofluorobenzene		NWTPHG	113.7	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-007	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	SVE-2 (35)	Sampling Time	3:20 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	124	mg/kg	2.5	4/18/2012	WOZ	NWTPHG	
Benzene	473	µg/Kg	52	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	888	µg/Kg	52	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	3920	µg/Kg	104	4/24/2012	WOZ	EPA 8260C	
o-Xylene	1430	µg/Kg	52	4/24/2012	WOZ	EPA 8260C	
Toluene	2410	µg/Kg	52	4/24/2012	WOZ	EPA 8260C	
%moisture	11.3	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-007		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	103.2	70-130
4-Bromofluorobenzene	EPA 8260C	105.6	70-130
Toluene-d8	EPA 8260C	87.6	70-130
4-Bromofluorobenzene	NWTPHG	101.4	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-009	Sampling Date	4/13/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MP-1 (15)	Sampling Time	8:00 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	12.7	mg/kg	2.69	4/18/2012	WOZ	NWTPHG	
Benzene	24.6	µg/Kg	13.5	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	80.5	µg/Kg	13.5	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	479	µg/Kg	27	4/24/2012	WOZ	EPA 8260C	
o-Xylene	306	µg/Kg	13.5	4/24/2012	WOZ	EPA 8260C	
Toluene	201	µg/Kg	13.5	4/24/2012	WOZ	EPA 8260C	
%moisture	6.8	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-009		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	103.6	70-130
4-Bromofluorobenzene	EPA 8260C	99.6	70-130
Toluene-d8	EPA 8260C	88.4	70-130
4-Bromofluorobenzene	NWTPHG	109.1	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-010	Sampling Date	4/13/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MP-1 (25)	Sampling Time	8:10 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	742	mg/kg	32	4/19/2012	WOZ	NWTPHG	
Benzene	272	µg/Kg	128	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	5760	µg/Kg	128	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	27200	µg/Kg	256	4/24/2012	WOZ	EPA 8260C	
o-Xylene	13800	µg/Kg	128	4/24/2012	WOZ	EPA 8260C	
Toluene	9600	µg/Kg	128	4/24/2012	WOZ	EPA 8260C	
%moisture	4.7	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-010		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	101.2	70-130
4-Bromofluorobenzene	EPA 8260C	100.8	70-130
Toluene-d8	EPA 8260C	90.4	70-130
4-Bromofluorobenzene	NWTPHG	113.9	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-011	Sampling Date	4/13/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MP-1 (35)	Sampling Time	8:25 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	38.4	mg/kg	2.5	4/18/2012	WOZ	NWTPHG	
Benzene	206	µg/Kg	11.1	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	137	µg/Kg	11.1	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	528	µg/Kg	22.2	4/24/2012	WOZ	EPA 8260C	
o-Xylene	224	µg/Kg	11.1	4/24/2012	WOZ	EPA 8260C	
Toluene	562	µg/Kg	11.1	4/24/2012	WOZ	EPA 8260C	
%moisture	12.2	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-011		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	101.2	70-130
4-Bromofluorobenzene	EPA 8260C	101.2	70-130
Toluene-d8	EPA 8260C	88.4	70-130
4-Bromofluorobenzene	NWTPHG	112.2	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-014	Sampling Date	4/13/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MP-2 (15)	Sampling Time	10:00 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/kg	2.95	4/18/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2.95	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/Kg	2.95	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	10.3	µg/Kg	5.9	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	4.29	µg/Kg	2.95	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	12.9	µg/Kg	2.95	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	8.3	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-014		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	103.6	70-130
4-Bromofluorobenzene	EPA 8260C SIM	88.4	70-130
Toluene-d8	EPA 8260C SIM	110.0	70-130
4-Bromofluorobenzene	NWTPHG	109.9	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-015	Sampling Date	4/13/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MP-2 (25)	Sampling Time	10:15 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	4.20	mg/kg	2.81	4/18/2012	WOZ	NWTPHG	
Benzene	25.3	µg/Kg	3.51	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	28.7	µg/Kg	3.51	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	137	µg/Kg	7.02	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	66.4	µg/Kg	3.51	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	128	µg/Kg	3.51	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	8.6	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-015		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	102.0	70-130
4-Bromofluorobenzene	EPA 8260C SIM	90.8	70-130
Toluene-d8	EPA 8260C SIM	96.0	70-130
4-Bromofluorobenzene	NWTPHG	115.0	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
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Batch #: 120417034
Project Name: IONE PETROL CONT
 0504-058-02

Analytical Results Report

Sample Number	120417034-025	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	AS-1 (10)	Sampling Time	9:10 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	129	mg/kg	3.11	4/19/2012	WOZ	NWTPHG	
Benzene	52.7	µg/Kg	31.1	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	605	µg/Kg	31.1	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	2960	µg/Kg	62.2	4/24/2012	WOZ	EPA 8260C	
o-Xylene	1500	µg/Kg	31.1	4/24/2012	WOZ	EPA 8260C	
Toluene	1110	µg/Kg	31.1	4/24/2012	WOZ	EPA 8260C	
%moisture	13.8	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.0	70-130
4-Bromofluorobenzene	EPA 8260C	98.8	70-130
Toluene-d8	EPA 8260C	118.0	70-130
4-Bromofluorobenzene	NWTPHG	103.6	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
 Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT: Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-026	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	AS-1 (15)	Sampling Time	9:20 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	24.2	mg/kg	2.91	4/19/2012	WOZ	NWTPHG	
Benzene	90.4	µg/Kg	14.6	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	136	µg/Kg	14.6	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	675	µg/Kg	29.2	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	370	µg/Kg	14.6	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	453	µg/Kg	14.6	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	6.1	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-026			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	102.4	70-130
4-Bromofluorobenzene		EPA 8260C SIM	88.8	70-130
Toluene-d8		EPA 8260C SIM	92.4	70-130
4-Bromofluorobenzene		NWTPHG	108.9	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-027	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	AS-1 (25)	Sampling Time	9:30 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	37.5	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	370	µg/Kg	29.8	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	408	µg/Kg	29.8	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	1730	µg/Kg	59.6	4/24/2012	WOZ	EPA 8260C	
o-Xylene	972	µg/Kg	29.8	4/24/2012	WOZ	EPA 8260C	
Toluene	1880	µg/Kg	29.8	4/24/2012	WOZ	EPA 8260C	
%moisture	5.8	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-027		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	98.8	70-130
4-Bromofluorobenzene	EPA 8260C	97.6	70-130
Toluene-d8	EPA 8260C	88.8	70-130
4-Bromofluorobenzene	NWTPHG	107.0	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-028	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	AS-1 (35)	Sampling Time	9:40 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	38.1	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	820	µg/Kg	97	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	534	µg/Kg	97	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	2100	µg/Kg	194	4/24/2012	WOZ	EPA 8260C	
o-Xylene	968	µg/Kg	97	4/24/2012	WOZ	EPA 8260C	
Toluene	3990	µg/Kg	97	4/24/2012	WOZ	EPA 8260C	
%moisture	9.1	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-028		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	104.0	70-130
4-Bromofluorobenzene	EPA 8260C	101.2	70-130
Toluene-d8	EPA 8260C	91.2	70-130
4-Bromofluorobenzene	NWTPHG	106.5	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-029	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MW-16 (13.5)	Sampling Time	11:50 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2.31	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/Kg	2.31	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/Kg	4.62	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/Kg	2.31	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/Kg	2.31	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	8.9	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-029			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	102.8	70-130
4-Bromofluorobenzene		EPA 8260C SIM	86.8	70-130
Toluene-d8		EPA 8260C SIM	90.4	70-130
4-Bromofluorobenzene		NWTPHG	103.5	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-033	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	B-6 (25)	Sampling Time	2:10 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	4.29	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	506	µg/Kg	12.2	4/24/2012	WOZ	EPA 8260C	
Ethylbenzene	68.5	µg/Kg	12.2	4/24/2012	WOZ	EPA 8260C	
m+p-Xylene	237	µg/Kg	24.4	4/24/2012	WOZ	EPA 8260C	
o-Xylene	131	µg/Kg	12.2	4/24/2012	WOZ	EPA 8260C	
Toluene	533	µg/Kg	12.2	4/24/2012	WOZ	EPA 8260C	
%moisture	20.1	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-033		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	101.2	70-130
4-Bromofluorobenzene	EPA 8260C	100.8	70-130
Toluene-d8	EPA 8260C	88.8	70-130
4-Bromofluorobenzene	NWTPHG	109.3	70-130

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

Sample Number	120417034-035	Sampling Date	4/16/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	MW-17 (35)	Sampling Time	3:30 PM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2.32	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/Kg	2.32	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/Kg	4.64	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/Kg	2.32	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/Kg	2.32	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	8.3	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120417034-035		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	102.8	70-130
4-Bromofluorobenzene	EPA 8260C SIM	87.2	70-130
Toluene-d8	EPA 8260C SIM	112.8	70-130
4-Bromofluorobenzene	NWTPHG	105.7	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report

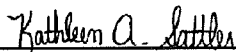
Sample Number	120417034-037	Sampling Date	4/12/2012	Date/Time Received	4/17/2012 9:42 AM
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments	METHANOL BLANK SUPPLIED BY LAB				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/Kg	4	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120417034-037		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	102.8	70-130
4-Bromofluorobenzene	EPA 8260C SIM	88.0	70-130
Toluene-d8	EPA 8260C SIM	89.2	70-130
4-Bromofluorobenzene	NWTPHG	119.5	70-130

Authorized Signature


Kathy Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Attn: DAVE LAUDER

Batch #: 120417034
Project Name: IONE PETROL CONT
0504-058-02

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Toluene	4.58	µg/L	5	91.6	70-130	4/24/2012	4/24/2012
o-Xylene	4.91	µg/L	5	98.2	70-130	4/24/2012	4/24/2012
Ethylbenzene	4.80	µg/L	5	96.0	70-130	4/24/2012	4/24/2012
Benzene	5.22	µg/L	5	104.4	70-130	4/23/2012	4/23/2012
Toluene	0.91	µg/L	1	91.0	70-130	4/23/2012	4/23/2012
o-Xylene	0.86	µg/L	1	86.0	70-130	4/23/2012	4/23/2012
Ethylbenzene	0.86	µg/L	1	86.0	70-130	4/23/2012	4/23/2012
Benzene	0.81	µg/L	1	81.0	70-130	4/23/2012	4/23/2012
Gasoline	1.01	mg/L	1.1	91.8	70-130	4/19/2012	4/19/2012
Gasoline	1.03	mg/L	1.1	93.6	70-130	4/18/2012	4/18/2012

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Benzene	ND	µg/L	0.5	4/24/2012	4/24/2012
Benzene	ND	µg/L	0.1	4/23/2012	4/23/2012
Ethylbenzene	ND	µg/L	0.5	4/24/2012	4/24/2012
Ethylbenzene	ND	µg/L	0.1	4/23/2012	4/23/2012
Gasoline	ND	mg/L	0.1	4/19/2012	4/19/2012
Gasoline	ND	mg/L	0.1	4/18/2012	4/18/2012
m+p-Xylene	ND	µg/L	1	4/24/2012	4/24/2012
m+p-Xylene	ND	µg/L	0.2	4/23/2012	4/23/2012
o-Xylene	ND	µg/L	0.5	4/24/2012	4/24/2012
o-Xylene	ND	µg/L	0.1	4/23/2012	4/23/2012
Toluene	ND	µg/L	0.5	4/24/2012	4/24/2012
Toluene	ND	µg/L	0.1	4/23/2012	4/23/2012

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM:ID00013; OR:ID200001-002; WA:C595
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Login Report

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120417034

Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-001 **Customer Sample #:** SVE-1 (5)

Recv'd: **Collector:** K RANDALL **Date Collected:** 4/12/2012
Quantity: 1 **Matrix:** Soil **Date Received:** 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-002 **Customer Sample #:** SVE-1 (10)

Recv'd: **Collector:** K RANDALL **Date Collected:** 4/12/2012
Quantity: 1 **Matrix:** Soil **Date Received:** 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-003 **Customer Sample #:** SVE-1 (20)

Recv'd: **Collector:** K RANDALL **Date Collected:** 4/12/2012
Quantity: 1 **Matrix:** Soil **Date Received:** 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER
Comment:

Project Name: IONE PETROL CONT
0504-058-02

Sample #: 120417034-004 Customer Sample #: SVE-2 (5)

Recv'd: Collector: K RANDALL Date Collected: 4/12/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/12/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-005 Customer Sample #: SVE-2 (15)

Recv'd: Collector: K RANDALL Date Collected: 4/12/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-006 Customer Sample #: SVE-2 (25)

Recv'd: Collector: K RANDALL Date Collected: 4/12/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-007 Customer Sample #: SVE-2 (35)

Recv'd: Collector: K RANDALL Date Collected: 4/12/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120417034

Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-008 Customer Sample #: MP-1 (5)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-009 Customer Sample #: MP-1 (15)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-010 Customer Sample #: MP-1 (25)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-011 Customer Sample #: MP-1 (35)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE

WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-012 Customer Sample #: MP-1 (40)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-013 Customer Sample #: MP-2 (5)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-014 Customer Sample #: MP-2 (15)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-015 Customer Sample #: MP-2 (25)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-016 Customer Sample #: MP-2 (35)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-017 Customer Sample #: MP-2 (40)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-018 Customer Sample #: B-7 (5)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-019 Customer Sample #: B-7 (15)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE

WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-020 Customer Sample #: B-7 (25)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-021 Customer Sample #: B-7 (35)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-022 Customer Sample #: B-7 (40)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-023 Customer Sample #: B-7 (45)

Recv'd: Collector: K RANDALL Date Collected: 4/13/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/13/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-024 Customer Sample #: AS-1 (5)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/16/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-025 Customer Sample #: AS-1 (10)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-026 Customer Sample #: AS-1 (15)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-027 Customer Sample #: AS-1 (25)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-028 Customer Sample #: AS-1 (35)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-029 Customer Sample #: MW-16 (12.5)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-030 Customer Sample #: MW-16 (18.5)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/16/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-031 Customer Sample #: B-6 (15)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/16/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
 523 E 2ND
 SPOKANE WA 99202

Order ID: 120417034
 Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
 0504-058-02

Comment:

Sample #: 120417034-032 Customer Sample #: B-6 (20)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
 Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
 Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/16/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-033 Customer Sample #: B-6 (25)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
 Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
 Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-034 Customer Sample #: MW-17 (20)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
 Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
 Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/16/2012	<u>Normal (6-10 Days)</u>

Sample #: 120417034-035 Customer Sample #: MW-17 (35)

Recv'd: Collector: K RANDALL Date Collected: 4/16/2012
 Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A
 Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE

WA 99202

Order ID: 120417034
Order Date: 4/17/2012

Contact Name: DAVE LAUDER

Project Name: IONE PETROL CONT
0504-058-02

Comment:

Sample #: 120417034-037 Customer Sample #: TRIP BLANK

Recv'd: Collector: K RANDALL Date Collected: 4/12/2012
Quantity: 1 Matrix: Soil Date Received: 4/17/2012 9:42:00 A

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/26/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/26/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/24/2012	<u>Normal (6-10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	3.3
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	Yes
Labels and chain agree?	Yes



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

20417 034 **GEOE** Last Due 4/26/2012

Analyt SAMP 4/12/2012 1st RCVD 4/17/2012
 Log: **ONE PETROL CONT 0504-058-02**

Company Name: GeoEngineers Inc.		Project Manager: Dave Lauder	
Address: 523 East 2nd Avenue		Project Name & #: One Petrol Cont. 0504-058-02	
City: Spokane	State: WA	Zip: 99202	Email Address: dlauder@geoengineers.com
Phone: (509) 363-3125		Purchase Order #:	
Fax: (509) 363-3126		Sampler Name & phone: Kevin Randall 509-342-8914	

Please refer to our normal turn around times at:
<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal
 Next Day*
 2nd Day*
 Other*

Phone
 Mail
 Fax
 Email

*All rush order requests must be prior approved.

Provide Sample Description	List Analyses Requested
----------------------------	-------------------------

VOA#

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative		MUTPI-GX	BTEX									
				# of Containers	Sample Volume											
GA58	1 SVE-1(5)	4/12/12 @ 1300	Soil			X	X									
GA57	2 SVE-1(10)	4/12/12 @ 1315	Soil			X	X									
GA56	3 SVE-1(20)	4/12/12 @ 1330	Soil			X	X									
GA55	4 SVE-2(6)	4/12/12 @ 1450	Soil													
GA54	5 SVE-2(15)	4/12/12 @ 1500	Soil			X	X									
GA53	6 SVE-2(25)	4/12/12 @ 1510	Soil			X	X									
GA52	7 SVE-2(35)	4/12/12 @ 1520	Soil			X	X									
GA51	8 MP-1(5)	4/13/12 @ 0750	Soil													
GA50	9 MP-1(15)	4/13/12 @ 0800	Soil			X	X									
GA49	10 MP-1(25)	4/13/12 @ 0810	Soil			X	X									
GA60	11 MP-1(35)	4/13/12 @ 0825	Soil			X	X									
GA59	12 MP-1(40)	4/13/12 @ 0835	Soil													
GA48	13 MP-2(5)	4/13/12 @ 0950	Soil													

Note: Special Instructions/Comments

COC 1/3

SWBS

all sp

pg 1 of 3

Inspection Checklist

Received Intact?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Labels & Chains Agree?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Containers Sealed?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
VOC Head Space?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

hand made

Temperature (°C): 3.3

Preservative: MPOH HCl

Date & Time: 4-17-12

Inspected By: KRS

	Printed Name	Signature	Company	Date	Time
Relinquished by	Kevin Randall	<i>Kevin Randall</i>	GEOE	4/17/12	0942
Received by	<i>KRS</i>	<i>KRS</i>	Anatek	4/17	0942
Relinquished by					
Received by					
Relinquished by					
Received by					



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

Anatek Loc-In# **20417 034** **GEOE** Last Due **4/26/2012**
 1st SAMP 4/12/2012 1st RCVD 4/17/2012
ONE PETROL CONT 0504-058-02

Company Name:	GeoEngineers Inc.	Project Manager:	Dave Lauder
Address:	523 East 2nd Avenue	Project Name & #:	Ione Petrol Cont. 0504-058-02
City:	Spokane State: WA Zip: 99202	Email Address:	dlauder@geoengineers.com
Phone:	(509) 363-3125	Purchase Order #:	
Fax:	(509) 363-3126	Sampler Name & phone:	Kevin Randall 509-342-8914

Normal
 Next Day*
 2nd Day*
 Other*

*All rush order requests must be prior approved.

Phone
 Mail
 Fax
 Email

Provide Sample Description **List Analyses Requested**

VOA #
 GA47
 GA46
 GA45
 GA44
 GA43
 GA42
 GA41
 GA40
 GA39
 GA38

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:		NUTPH-GX	BTEX															
				# of Containers	Sample Volume																	
14	MP-2 (15)	4/13/12 @ 1000	Soil			X	X															
15	MP-2 (25)	4/13/12 @ 1015	Soil			X	X															
16	MP-2 (35)	4/13/12 @ 1035	Soil																			
17	MP-2 (40)	4/13/12 @ 1035	Soil																			
18	B-7 (5)	4/13/12 @ 1215	Soil																			
19	B-7 (15)	@ 1255	Soil																			
20	B-7 (25)	@ 1310	Soil																			
21	B-7 (35)	@ 1320	Soil																			
22	B-7 (40)	@ 1330	Soil																			
23	B-7 (4E)	@ 1340	Soil																			
32	Trip Blnk		Soil				X															
			Soil																			
			Soil																			

Note Special Instructions/Comments

COC 2/2

Page 2 of 3

Inspection Checklist

Received Intact?	Y	N
Labels & Chains Agree?	Y	N
Containers Sealed?	Y	N
VOC Heat Space?	Y	N

See page 1

Temperature (°C):
 Preservative:
 Date & Time:
 Inspected By:

	Printed Name	Signature	Company	Date	Time
Relinquished by	Kevin Randall	<i>[Signature]</i>	GET	4/17/12	0942
Received by	<i>[Signature]</i>	<i>[Signature]</i>	Anatek	4/17	0942
Relinquished by					
Received by					
Relinquished by					
Received by					



Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

20417 034 **GEOE** Last Due 4/26/2012
 1st SAMP 4/12/2012 1st RCVD 4/17/2012
 ONE PETROL CONT 0504-058-02

Company Name:	GeoEngineers Inc.	Project Manager:	Dave Lauder
Address:	523 East 2nd Avenue	Project Name & #:	Ione Petrol Cont. 0504-058-02
City:	Spokane State: WA Zip: 99202	Email Address:	dlauder@geoengineers.com
Phone:	(509) 363-3125	Purchase Order #:	
Fax:	(509) 363-3126	Sampler Name & phone:	Kevin Randall 509-342-8914

Please refer to our normal turn around times at:
<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal
 Next Day*
 2nd Day*
 Other*

*All rush order requests must be prior approved.

Phone
 Mail
 Fax
 Email

Provide Sample Description					List Analyses Requested			
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative:	# of Containers	Sample Volume	NUTRA-GX	BTEX
GA37	24 AS-1 (5)	4/16/12 @ 0900	Soil					
GA36	25 AS-1 (10)	4/16/12 @ 0910	Soil				X	X
GA35	26 AS-1 (15)	4/16/12 @ 0920	Soil				X	X
GA34	27 AS-1 (25)	4/14/12 @ 0930	Soil				X	X
GA33	28 AS-1 (35)	4/16/12 @ 0940	Soil				X	X
GA32	29 MW-16 (13.5)	4/16/12 @ 1150	Soil				X	X
GA31	30 MW-16 (18.5)	4/16/12 @ 1200	Soil					
GA30	31 B-6 (15)	4/16/12 @ 1335	Soil					
GA29	32 B-6 (20)	4/16/12 @ 1345	Soil					
GA28	33 B-6 (25)	4/16/12 @ 1410	Soil				X	X
GA27	34 MW-17 (20)	4/16/12 @ 1510	Soil					
GA26	35 MW-17 (35)	4/16/12 @ 1530	Soil				X	X
GA25	36 MW-17 (40)	4/16/12 @ 1545	Soil					

VOA #
 GA37
 GA36
 GA35
 GA34
 GA33
 GA32
 GA31
 GA30
 GA29
 GA28
 GA27
 GA26
 GA25

Note Special Instructions/Comments
 COC 3/3
 pg 3 of 3

Inspection Checklist		
Received Intact?	Y	N
Labels & Chains Agree?	Y	N
Containers Sealed?	Y	N
VOC Head Space?	Y	N
See page 1		
Temperature (°C):		
Preservative:		
Date & Time:		
Inspected By:		

	Printed Name	Signature	Company	Date	Time
Relinquished by	Kevin Randall	<i>Kevin Randall</i>	GEOE	4/17/12	0942
Received by	<i>[Signature]</i>	<i>[Signature]</i>	Anatek	4/17	0942
Relinquished by					
Received by					
Relinquished by					
Received by					

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120418006
Project Name: IONE 0504-058-02

Analytical Results Report

Sample Number	120418006-001	Sampling Date	4/17/2012	Date/Time Received	4/18/2012 4:50 PM
Client Sample ID	MSV-18 (20)	Sampling Time	8:20 AM	Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/kg	2.5	4/19/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2.14	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	2.18	µg/Kg	2.14	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	8.47	µg/Kg	4.28	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	3.31	µg/Kg	2.14	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	11.3	µg/Kg	2.14	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	11.4	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120418006-001			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	100.4	70-130
4-Bromofluorobenzene		EPA 8260C SIM	88.0	70-130
Toluene-d8		EPA 8260C SIM	104.8	70-130
4-Bromofluorobenzene		NWTPHG	111.0	70-130

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Client: GEO ENGINEERS **Batch #:** 120418006
Address: 523 E 2ND **Project Name:** IONE 0504-058-02
SPOKANE, WA 99202
Attn: DAVE LAUDER

Analytical Results Report

Sample Number	120418006-007	Sampling Date	4/17/2012	Date/Time Received	4/18/2012 4:50 PM
Client Sample ID	MW-19 (35)	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	3.89	mg/kg	2.87	4/20/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2.87	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	5.12	µg/Kg	2.87	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	20.9	µg/Kg	5.74	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	8.09	µg/Kg	2.87	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	18.6	µg/Kg	2.87	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	17	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120418006-007		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	102.0	70-130
4-Bromofluorobenzene	EPA 8260C SIM	86.8	70-130
Toluene-d8	EPA 8260C SIM	89.6	70-130
4-Bromofluorobenzene	NWTPHG	114.7	70-130

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120418006
Project Name: IONE 0504-058-02

Analytical Results Report

Sample Number	120418006-008	Sampling Date	4/17/2012	Date/Time Received	4/18/2012 4:50 PM
Client Sample ID	MW-19 (40)	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments	SAMPLED USING EPA METHOD 5035				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	7.53	mg/kg	2.61	4/20/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	6.53	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	39.4	µg/Kg	6.53	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	229	µg/Kg	13.06	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	64.5	µg/Kg	6.53	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/Kg	6.53	4/23/2012	WOZ	EPA 8260C SIM	
%moisture	18.5	Percent		4/18/2012	WOZ	%moisture	

Surrogate Data

Sample Number	120418006-008			
Surrogate Standard		Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4		EPA 8260C SIM	102.8	70-130
4-Bromofluorobenzene		EPA 8260C SIM	88.4	70-130
Toluene-d8		EPA 8260C SIM	120.8	70-130
4-Bromofluorobenzene		NWTPHG	113.6	70-130

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Attn: DAVE LAUDER

Batch #: 120418006
Project Name: IONE 0504-058-02

Analytical Results Report

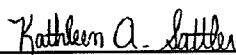
Sample Number	120418006-010	Sampling Date	4/17/2012	Date/Time Received	4/18/2012 4:50 PM
Client Sample ID	TRIP BLANK	Sampling Time		Extraction Date	
Matrix	Soil	Sample Location			
Comments	METHANOL SUPPLIED BY LABORATORY				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Gasoline	ND	mg/kg	2.5	4/20/2012	WOZ	NWTPHG	
Benzene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	
Ethylbenzene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	
m+p-Xylene	ND	µg/Kg	4	4/23/2012	WOZ	EPA 8260C SIM	
o-Xylene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	
Toluene	ND	µg/Kg	2	4/23/2012	WOZ	EPA 8260C SIM	

Surrogate Data

Sample Number	120418006-010		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C SIM	103.2	70-130
4-Bromofluorobenzene	EPA 8260C SIM	89.6	70-130
Toluene-d8	EPA 8260C SIM	103.2	70-130
4-Bromofluorobenzene	NWTPHG	111.1	70-130

Authorized Signature


Kathy Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT: CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT: Cert0095

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Client: GEO ENGINEERS
Address: 523 E 2ND
SPOKANE, WA 99202
Attn: DAVE LAUDER

Batch #: 120418006
Project Name: IONE 0504-058-02

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Toluene	0.91	µg/L	1	91.0	70-130	4/23/2012	4/23/2012
o-Xylene	0.86	µg/L	1	86.0	70-130	4/23/2012	4/23/2012
Ethylbenzene	0.86	µg/L	1	86.0	70-130	4/23/2012	4/23/2012
Benzene	0.81	µg/L	1	81.0	70-130	4/23/2012	4/23/2012
Gasoline	1.04	mg/L	1.1	94.5	70-130	4/20/2012	4/20/2012
Gasoline	1.01	mg/L	1.1	91.8	70-130	4/19/2012	4/19/2012

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Benzene	ND	µg/L	0.1	4/23/2012	4/23/2012
Ethylbenzene	ND	µg/L	0.1	4/23/2012	4/23/2012
Gasoline	ND	mg/L	0.1	4/20/2012	4/20/2012
Gasoline	ND	mg/L	0.1	4/19/2012	4/19/2012
m+p-Xylene	ND	µg/L	0.2	4/23/2012	4/23/2012
o-Xylene	ND	µg/L	0.1	4/23/2012	4/23/2012
Toluene	ND	µg/L	0.1	4/23/2012	4/23/2012

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095

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Login Report

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120418006

Order Date: 4/18/2012

Contact Name: DAVE LAUDER

Project Name: IONE 0504-058-02

Comment:

Sample #: 120418006-001 **Customer Sample #:** MSV-18 (20)

Recv'd: **Collector:** SCOTT LATHEN **Date Collected:** 4/17/2012
Quantity: 1 **Matrix:** Soil **Date Received:** 4/18/2012 4:50:00 P

Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/30/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/30/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/25/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-002 **Customer Sample #:** MW-18 (25)

Recv'd: **Collector:** SCOTT LATHEN **Date Collected:** 4/17/2012
Quantity: 1 **Matrix:** Soil **Date Received:** 4/18/2012 4:50:00 P

Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/17/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-003 **Customer Sample #:** MW-18 (30)

Recv'd: **Collector:** SCOTT LATHEN **Date Collected:** 4/17/2012
Quantity: 1 **Matrix:** Soil **Date Received:** 4/18/2012 4:50:00 P

Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/17/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120418006

Order Date: 4/18/2012

Contact Name: DAVE LAUDER

Project Name: IONE 0504-058-02

Comment:

Sample #: 120418006-004 Customer Sample #: MW-19 (20)

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/17/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-005 Customer Sample #: MW-19 (25)

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/17/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-006 Customer Sample #: MW-19 (30)

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/17/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-007 Customer Sample #: MW-19 (35)

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/30/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/30/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/25/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS
523 E 2ND
SPOKANE

WA 99202

Order ID: 120418006
Order Date: 4/18/2012

Contact Name: DAVE LAUDER

Project Name: IONE 0504-058-02

Comment:

Sample #: 120418006-008 Customer Sample #: MW-19 (40)

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/30/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/30/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/25/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-009 Customer Sample #: MW-19 (45)

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
HOLD		hold	4/17/2012	<u>Normal (6-10 Days)</u>

Sample #: 120418006-010 Customer Sample #: TRIP BLANK

Recv'd: Collector: SCOTT LATHEN Date Collected: 4/17/2012
Quantity: 1 Matrix: Soil Date Received: 4/18/2012 4:50:00 P
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	4/30/2012	<u>Normal (6-10 Days)</u>
BTEX 8260	S	EPA 8260B	4/30/2012	<u>Normal (6-10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	4/25/2012	<u>Normal (6-10 Days)</u>

Customer Name: GEO ENGINEERS

523 E 2ND

SPOKANE

WA

99202

Order ID: 120418006

Order Date: 4/18/2012

Contact Name: DAVE LAUDER

Project Name: IONE 0504-058-02

Comment:

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature inside the cooler?	4.2
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	Yes
Labels and chain agree?	Yes



Chain of Custody Record

20418 006 **GEOE** Last Due 4/30/2012

it SAMP 4/17/2012 1st RCVD 4/18/2012

INE 0504-058-02

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Company Name: GeoEngineers		Project Manager: D. Lander	
Address: 573 E 2nd Ave		Project Name & #: TOAL 0504-058-02	
City: Spokane	State: WA	Zip: 99202	Email Address: lander@geoengineers.com
Phone: 509 263 3123		Purchase Order #:	
Fax: 509 363 3126		Sampler Name & phone: E Lander 509 251 5739	

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<http://www.anateklabs.com/services/guidelines/reporting.asp>

Normal
 Next Day*
 2nd Day*
 Other*

*All rush order requests must be prior approved.

Phone
 Mail
 Fax
 Email

Provide Sample Description				List Analyses Requested						Note Special Instructions/Comments
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative						
				# of Containers	Sample Volume	Notes				
1	MW-19(20)	4/17/12 520	soil	2	400	X				
2	MW-19(25)	825								VOA GA 24
3	MW-19(30)	845								VOA GA 23
4	MW-19(20)									VOA GA 22
5	MW-19(20)									VOA GA 21
6	MW-19(30)									VOA GA 20
7	MW-19(35)					X				VOA GA 19
8	MW-19(40)					X				VOA GA 18
9	MW-19(45)									VOA GA 17
10	trip blank					X	X			VOA GA 16

SIMBS
all sp

Inspection Checklist	
Received Intact?	Y N
Labels & Chains Agree?	Y N
Containers Sealed?	Y N
VOC Head Space?	Y N
Container held	
Temperature (°C):	4.2
Preservative:	METH etc
102	
Date & Time:	4-17-12
Inspected By:	NLS

	Printed Name	Signature	Company	Date	Time
Relinquished by	Scott Lathan	<i>[Signature]</i>	G.E.I.	4/17/12	1650
Received by	Rent	<i>[Signature]</i>	Anatek	4/17	1650
Relinquished by					
Received by					
Relinquished by					
Received by					

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