



BU 2603152
Report FILE COPY

~~Southern California~~
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Montana

April 24, 2007
ERI 31116.13.Q071

LUST Coordinator
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

Subject: ExxonMobil Oil Corporation Groundwater Monitoring Report, Former Exxon RAS
7-6375, 8325 Mukilteo Speedway, Mukilteo, Washington

Dear LUST Coordinator:

On behalf of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) has prepared the enclosed ExxonMobil Groundwater Monitoring Report presenting results of groundwater sampling conducted on February 13, 2007 at the site referenced above.

Please contact our office at (206) 575-6220 or Timothy M. Strawn, PG, CHG, LHG at ExxonMobil at (425) 837-3712 with any questions.

Sincerely,

Amanda R. Balzer
Assistant Project Manager

Attachment: ERI's ExxonMobil Oil Corporation Groundwater Monitoring Report, First Quarter
2007, dated April 24, 2007

cc: w/ attachment
Mr. Mike Noll, Noll Environmental, Inc.
Mr. Anthony R. Brown, BP/Atlantic Richfield Company
Mr. Timothy M. Strawn, PG, CHG, LHG, ExxonMobil Oil Corporation

Environmental Resolutions, Inc.

815 Industry Dr., Tukwila, WA 98188-3411 | Tel: 206.575.6220 | Fax: 206.575.6423 | Contractor # ENVIRRI044JD



Southern California
Northern California
Pacific Northwest
Southwest
Texas
Montana

April 24, 2007

**EXXONMOBIL OIL CORPORATION
GROUNDWATER MONITORING REPORT**

Site No.: 7-6375 Address: 8325 Mukilteo Speedway, Mukilteo, Washington
ExxonMobil Project Manager: Timothy M. Strawn
Consultant/Contact Person: Environmental Resolutions, Inc. /Amanda R. Balzer
Primary Agency/Regulatory ID No.: Washington State Department of Ecology

WORK PERFORMED THIS QUARTER(S) [First - 2007]:

- Monitored 4, purged and sampled 2 groundwater monitoring wells.

WORK PROPOSED FOR NEXT QUARTER [Third - 2007]:

- Monitor, purge, and sample 4 groundwater monitoring wells.

SUMMARY:

Frequency of Sampling Events:	Semiannually	(Quarterly, etc.)
Approximate Depth to Groundwater:	2 to 10 ft	(Measured Feet)
Groundwater Gradient:	Not determined	(Direction)
	Not determined	(Magnitude)
Maximum TPH-G/Benzene Concentrations:	11,500/1,260	(ppb)
Measurable Free Product Detected:	No	(Yes - ID well(s)/No)
Free Product Recovered This Quarter:	None	(gallons)
Cumulative Free Product Recovered to Date:	Unknown	(gallons)
Bulk Soil Removed This Quarter:	None	(cubic yards)
Water Wells or Surface Waters w/in 2,000 ft:	None	
Radius and Respective Direction:	None	(Distance & Direction)
Current Remedial Action:	None	(SVE/AS/P&T, etc.)
Permits for Discharge:	None	(NPDES, POTW, etc.)

DISCUSSION:

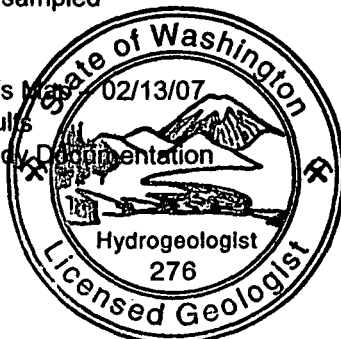
- SV2 contained petroleum hydrocarbons at concentrations exceeding MTCA Method A Cleanup Levels
- MW1 contained total lead concentrations exceeding the MTCA Method A Cleanup Level
- MW2 and SV1 were dry and were not sampled

ATTACHMENTS:

- Plate 1: Groundwater Sample Analysis Map 02/13/07
- Table 1: Groundwater Analytical Results
- Laboratory Report and Chain of Custody Documentation
- Field Data Records

Prepared By:


Laina E. Cole
Contract Administrator



JOHN K. MEYER

Reviewed By:


John K. Meyer, R.G., L.H.G.
Branch Manager

Environmental Resolutions, Inc.

31116.13.Q071

Laboratory Results in ug/L (ppb)

08/07/06	Sample Date
11,500	Total Petroleum Hydrocarbons as Gasoline
2,740	Total Petroleum Hydrocarbons as Diesel
<200	Total Petroleum Hydrocarbons as Oil
1,260	Benzene -- = Not Analyzed or Sampled
22.6	Toluene <1.00 = Less than the Stated
442	Ethylbenzene Laboratory Reporting Limit
47.0	Total Xylenes
<5.00	Total Lead
<5.00	Dissolved Lead

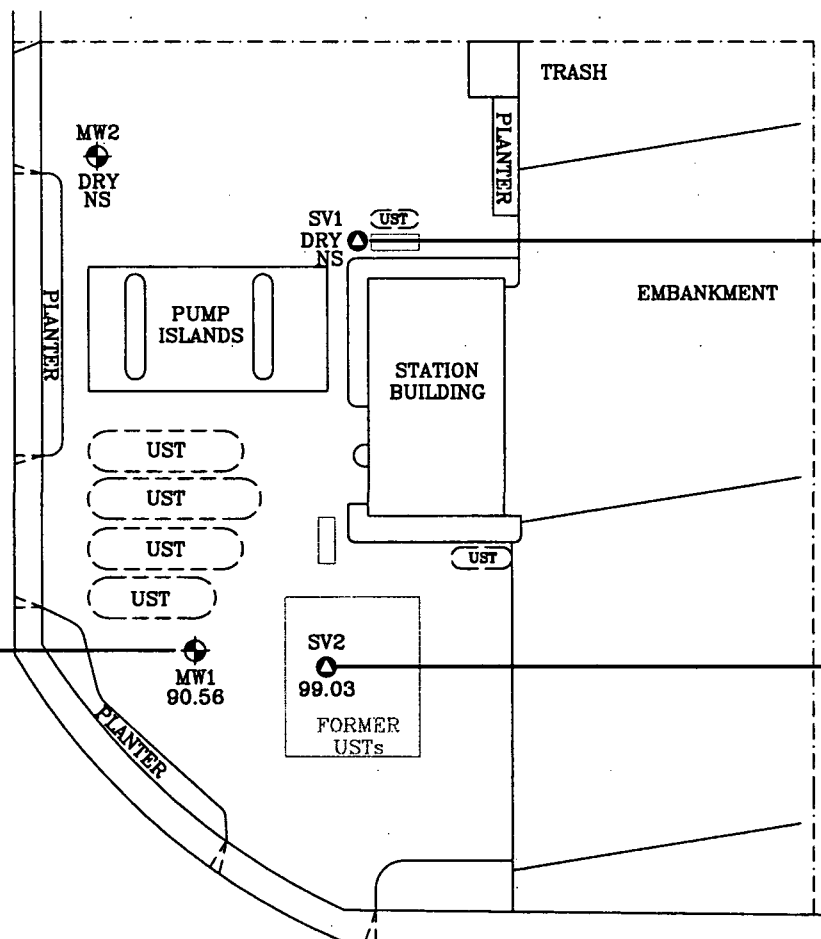
- Numbers or Symbols in Red exceed MTCA Method A Cleanup Levels
- Numbers or Symbols in Blue below MTCA Method A Cleanup Levels
- No Data Available for Numbers or Symbols in Black

02/08/06	02/17/06	08/07/06	02/13/07
<100	<100	<100	164
<100	<103	<98.0	<250
342	<103	<98.0	<250
2.10	<1.00	1.51	1.25
<1.0	<1.00	<1.00	<1.00
1.5	<1.00	<1.00	<1.00
1.9	<3.00	<3.00	<3.00
--	--	--	11.0
--	--	--	<5.00

02/08/06	02/17/06	08/07/06	02/13/07
DRY	488	DRY	DRY
--	120	--	--
--	<105	--	--
--	127	--	--
--	3.82	--	--
--	49.1	--	--
--	10.2	--	--
--	--	--	--

02/08/06	02/17/06	08/07/06	02/13/07
4,710	6,260	5,920	11,500
2,360	2,230	3,370	2,740
<100	<103	<194	<200
788	1,060	1,250	1,260
19.0	42.3	20.7	22.6
351	541	570	442
53.0	90.4	44.1	47.0
--	--	--	<5.00
--	--	--	<5.00

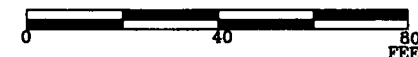
MUKILTEO SPEEDWAY



PROPERTY LINE

84TH STREET SOUTHWEST

APPROXIMATE SCALE



SOURCE: Modified from maps provided by ExxonMobil Oil Corporation

FN 311160002_QM



GROUNDWATER SAMPLE ANALYSIS MAP - 02/13/07

FORMER EXXON STATION 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington

EXPLANATION

- MW1 Groundwater Monitoring Well
- 90.56 Groundwater Elevation
- NS Not Sampled
- SV2 Air Sparging/Soil Vapor Extraction Well

PROJECT NO.

31116

PLATE

1

LEC: 03/29/07

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Former Exxon Station 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington
Page 1 of 3

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb	1,1,1-TCA	Ethanol
MW1	08/14/92	10.45	89.55	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
100.00	12/08/92	11.28	88.72	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	1.3	--
	04/22/93	10.20	89.80	<50	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	1.7	--
	06/01/93	10.14	89.86	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	1.5	--
	09/07/93	10.21	89.79	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	12/01/93	10.83	89.17	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	02/22/94	9.26	90.74	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	06/01/94	10.05	89.95	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	08/18/94	10.20	89.80	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	<3.0	--	--
	11/15/94	11.14	88.86	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	02/23/95	9.88	90.12	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	05/09/95	9.98	90.02	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	08/17/95	10.26	89.74	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	11/06/95	10.77	89.23	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	01/12/96	8.93	91.07	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	04/03/96	9.94	90.06	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	07/23/96	10.14	89.86	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	10/28/96	10.76	89.24	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	01/16/97	9.58	90.42	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	04/09/97	9.63	90.37	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	07/28/97	10.03	89.97	<50	<250	<750	<0.5	0.629	<0.5	<1.0	<2.0	--	--	--
	03/24/99	8.42	91.58	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	12/20/00	10.60	89.40	<250	<250	<750	<1	11	7.2	--	--	--	--	--
	07/13/01	10.03	89.97	<50.0	<3260	<750	0.637	0.860	0.502	<1.00	--	--	--	--
	07/09/02	9.99	90.01	<100	<100	<100	<1.0	<1.0	<1.0	<1.0	--	--	--	--
	07/08/03	10.02	89.98	<100	<111	<111	<1.00	<1.0	<1.0	2.3	--	--	--	--
	10/21/04	10.58	89.42	<100	334	<100	<1.00	<1.0	<1.0	<1.0	--	--	--	<100
	02/08/05	9.65	90.35	<100	<100	342	2.10	<1.0	1.5	1.9	--	--	--	<100
	02/17/06	9.24	90.76	<100	<103	<103	<1.00	<1.00	<1.00	<3.00	--	--	--	--
	08/07/06	10.09	89.91	<100	<98.0	<98.0	1.51	<1.00	<1.00	<3.00	--	--	--	--
	02/13/07	9.44	90.56	164	<250	<250	1.25	<1.00	<1.00	<3.00	<10.00	<5.00	--	--
MTCA Method A Cleanup Levels				1,000 ^a			5	40	30	20	5	5	NA	NA

Continued on page 2

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Former Exxon Station 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington
Page 2 of 3

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb	1,1,1-TCA	Ethanol
MW2	07/01/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--
NE	10/21/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/07/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--
SV1	11/06/95	13.97	87.07	<50	400	<750	<0.5	<0.5	<0.5	<1.0	21	--	--	--
101.04	01/12/96	12.15	88.89	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	<2.0	--	--
	04/03/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/23/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	10/28/96	11.90	89.14	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	01/16/97	11.88	89.16	<50	<250	<500	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	04/09/97	12.27	88.77	<50	--	--	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	07/28/97	12.91	88.13	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	<2.0	--	--	--
	03/24/99	12.29	88.75	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--	--
	12/20/00*	11.30	89.74	<250	<280	<830	31	<1	12	8.2	--	--	--	--
	07/13/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/09/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	07/08/03	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	10/21/04	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/06	13.70	87.34	488	120	<105	127	3.82	495	10.2	--	--	--	--
	08/07/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels					1,000 ^a		5	40	30	20	5	5	NA	NA

Continued on page 3

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Former Exxon Station 7-6375
8325 Mukilteo Speedway
Mukilteo, Washington
Page 3 of 3

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb	1,1,1-TCA	Ethanol
SV2	11/06/95	4.29	97.16	31,000	1,600	920	3,200	180	2,000	4,700	7.2	--	--	--
101.45	01/12/96	2.44	99.01	23,000	--	--	2,800	63	1,800	1,700	--	12	--	--
	04/03/96	2.80	98.65	21,000	--	--	1,400	59	1,100	1,300	--	51	--	--
	07/23/96	2.68	98.77	13,400	1	--	1,400	49.1	977	737	9.14	--	--	--
	10/28/96	3.47	97.98	14,000	--	--	2,290	52.9	1,190	1,240	--	--	--	--
	01/16/97	2.54	98.91	16,100	1,390	<500	2,060	41.0	1,130	684	3.7	--	--	--
	04/09/97	2.70	98.75	10,300	1,230	<500	1,620	30.3	735	593	5.11	--	--	--
	07/28/97	2.73	98.72	15,300	1,180	<750	1,980	44.8	1,080	748	3.01	--	--	--
	03/24/99	1.80	99.65	8,910	--	--	1,850	25.8	946	585	--	--	--	--
	12/20/00	4.40	97.05	13,000	360	<940	2,100	33	1,100	428	--	--	--	--
	07/13/01	2.20	99.25	8,700	1,540	<862	1,600	31.8	988	278	--	--	--	--
	07/09/02	2.51	98.94	8,440	2,480	<500	1,980	<50.0	1,010	120	--	--	--	--
	07/08/03	2.65	98.80	10,100	2,120	316	1,140	20.4	872	654	--	--	--	--
	10/21/04	4.22	97.23	4,560	1,920	261	1,080	26.0	364	620	--	--	--	<100
	02/08/05	1.30	100.15	4,570	2,380	<100	788	19.0	351	530	--	--	--	<100
	02/17/06	1.39	100.06	6,260	2,230	<103	1,060	42.3	541	804	--	--	--	--
	08/07/06	2.44	99.01	6,020	3,370	<194	1,250	20.7	570	441	--	--	--	--
	02/13/07	2.42	99.03	10,500	2,710	<200	1,260	22.6	442	170	<5.00	<5.00	--	--
MTCA Method A Cleanup Levels				1,000 ^a			5	40	30	20	5	5	NA	NA

EXPLANATION:

All concentrations are in ug/L (ppb).

Wellhead elevations were taken from prior consultant reports.

DTW = Depth to water in feet below top of casing

GW Elev. = Groundwater elevation relative to top of casing elevations

TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method NWTPH-Gx

TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method NWTPH-Dx

B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes

BTEX = Aromatic compounds by EPA Method 8020 and 8021B, refer to laboratory reports

Total Pb = Total lead; Diss Pb = Dissolved lead

Total and Dissolved lead analyses by EPA Method 6020 and 6010B, refer to laboratory reports

1,1,1-TCA = 1,1,1-Trichloroethane by EPA Method 601

Ethanol by EPA Method 8260B

NE= Not Established; -- = Not Analyzed or Sampled; NA = Not Applicable

< = Less than the stated laboratory reporting limit

Shaded values equal or exceed MTCA Method A Cleanup Levels.

^a Total Petroleum Hydrocarbons

* Sample identified as SB5 on official laboratory report

Data prior to 12/20/00 were taken from previous consultant reports.

MW2 was installed on 07/01/04 by Environmental Resolutions Inc.

Groundwater elevations measured appear to be the result of perched water zones and not representative of a regional water table aquifer.

February 22, 2007 3:55:45PM

Client: ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn: Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Nbr: 31116
P/O Nbr: 4506775503
Date Received: 02/14/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW1	NQB1426-01	02/13/07 06:45
SV2	NQB1426-02	02/13/07 06:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Washington Certification Number: C1712

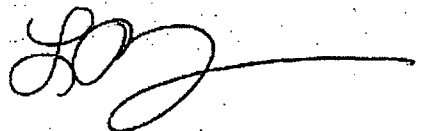
The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Leah R. Klingensmith

Senior Project Management

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQB1426-01 (MW1 - Ground Water) Sampled: 02/13/07 06:45								
Total Metals by EPA Method 6010B								
Lead	11.0		ug/L	5.00	1	02/15/07 21:37	SW846 6010B	7022451
Dissolved Metals by EPA Method 6010B								
Lead	ND		ug/L	5.00	1	02/15/07 11:06	SW846 6010B	7022453
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	1.25		ug/L	1.00	1	02/15/07 14:10	SW846 8260B	7022556
Ethylbenzene	ND		ug/L	1.00	1	02/15/07 14:10	SW846 8260B	7022556
Toluene	ND		ug/L	1.00	1	02/15/07 14:10	SW846 8260B	7022556
Xylenes, total	ND		ug/L	3.00	1	02/15/07 14:10	SW846 8260B	7022556
Surr: 1,2-Dichloroethane-d4 (62-142%)	100 %					02/15/07 14:10	SW846 8260B	7022556
Surr: Dibromofluoromethane (78-123%)	101 %					02/15/07 14:10	SW846 8260B	7022556
Surr: Toluene-d8 (79-120%)	104 %					02/15/07 14:10	SW846 8260B	7022556
Surr: 4-Bromofluorobenzene (75-133%)	104 %					02/15/07 14:10	SW846 8260B	7022556
Extractable Petroleum Hydrocarbons								
Diesel	ND	QSG	ug/L	250	1	02/16/07 21:21	NWTPH-Dx	7022538
Motor Oil	ND	QSG	ug/L	250	1	02/16/07 21:21	NWTPH-Dx	7022538
Surr: o-Terphenyl (33-147%)	98 %					02/16/07 21:21	NWTPH-Dx	7022538
Purgeable Petroleum Hydrocarbons								
GRO (C4-C12) NW	164		ug/L	100	1	02/19/07 22:15	NWTPH-Gx	7023312
Surr: a,a,a-Trifluorotoluene (44-152%)	107 %					02/19/07 22:15	NWTPH-Gx	7023312
Sample ID: NQB1426-02 (SV2 - Ground Water) Sampled: 02/13/07 06:15								
Total Metals by EPA Method 6010B								
Lead	ND		ug/L	5.00	1	02/15/07 21:42	SW846 6010B	7022451
Dissolved Metals by EPA Method 6010B								
Lead	ND		ug/L	5.00	1	02/15/07 11:10	SW846 6010B	7022453
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	1260		ug/L	10.0	10	02/16/07 16:05	SW846 8260B	7022809
Ethylbenzene	442		ug/L	10.0	10	02/16/07 16:05	SW846 8260B	7022809
Toluene	22.6		ug/L	1.00	1	02/15/07 14:37	SW846 8260B	7022556
Xylenes, total	47.0		ug/L	3.00	1	02/15/07 14:37	SW846 8260B	7022556
Surr: 1,2-Dichloroethane-d4 (62-142%)	100 %					02/15/07 14:37	SW846 8260B	7022556
Surr: 1,2-Dichloroethane-d4 (62-142%)	99 %					02/16/07 16:05	SW846 8260B	7022809
Surr: Dibromofluoromethane (78-123%)	95 %					02/15/07 14:37	SW846 8260B	7022556
Surr: Dibromofluoromethane (78-123%)	102 %					02/16/07 16:05	SW846 8260B	7022809
Surr: Toluene-d8 (79-120%)	104 %					02/15/07 14:37	SW846 8260B	7022556
Surr: Toluene-d8 (79-120%)	103 %					02/16/07 16:05	SW846 8260B	7022809
Surr: 4-Bromofluorobenzene (75-133%)	106 %					02/15/07 14:37	SW846 8260B	7022556
Surr: 4-Bromofluorobenzene (75-133%)	103 %					02/16/07 16:05	SW846 8260B	7022809
Extractable Petroleum Hydrocarbons								
Diesel	2740	QSG	ug/L	200	2	02/17/07 12:52	NWTPH-Dx	7022538
Motor Oil	ND	QSG	ug/L	200	2	02/17/07 12:52	NWTPH-Dx	7022538

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQB1426-02RE1 (SV2 - Ground Water) - cont. Sampled: 02/13/07 06:15								
Extractable Petroleum Hydrocarbons - cont.								
Surr: o-Terphenyl (33-147%)	100 %					02/17/07 12:52	NWTPH-Dx	7022538
Purgeable Petroleum Hydrocarbons								
GRO (C4-C12) NW	11500		ug/L	1000	10	02/19/07 23:30	NWTPH-Gx	7023312
Surr: a,a,a-Trifluorotoluene (44-152%)	96 %					02/19/07 23:30	NWTPH-Gx	7023312

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Work Order: NQB1426
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Project Number: 31116
Received: 02/14/07 07:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Dissolved Metals by EPA Method 6010B							
SW846 6010B	7022453	NQB1426-01	50.00	50.00	02/14/07 13:06	AMB	EPA 3010A Dissolve
SW846 6010B	7022453	NQB1426-02	50.00	50.00	02/14/07 13:06	AMB	EPA 3010A Dissolve
Extractable Petroleum Hydrocarbons							
NWTPH-Dx	7022538	NQB1426-01	400.00	1.00	02/15/07 10:00	MSR	EPA 3510C
NWTPH-Dx	7022538	NQB1426-02	1000.00	1.00	02/15/07 10:00	MSR	EPA 3510C
NWTPH-Dx	7022538	NQB1426-02RE1	1000.00	1.00	02/15/07 10:00	MSR	EPA 3510C
Total Metals by EPA Method 6010B							
SW846 6010B	7022451	NQB1426-01	50.00	50.00	02/14/07 13:02	AMB	EPA 3010A
SW846 6010B	7022451	NQB1426-02	50.00	50.00	02/14/07 13:02	AMB	EPA 3010A

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Total Metals by EPA Method 6010B						
7022451-BLK1						
Lead	<3.00		ug/L	7022451	7022451-BLK1	02/15/07 19:26
Dissolved Metals by EPA Method 6010B						
7022453-BLK1						
Lead	<3.00		ug/L	7022453	7022453-BLK1	02/15/07 10:56
Selected Volatile Organic Compounds by EPA Method 8260B						
7022556-BLK1						
Benzene	<0.330		ug/L	7022556	7022556-BLK1	02/15/07 12:21
Ethylbenzene	<0.420		ug/L	7022556	7022556-BLK1	02/15/07 12:21
Toluene	<0.420		ug/L	7022556	7022556-BLK1	02/15/07 12:21
Xylenes, total	<0.450		ug/L	7022556	7022556-BLK1	02/15/07 12:21
Surrogate: 1,2-Dichloroethane-d4	99%			7022556	7022556-BLK1	02/15/07 12:21
Surrogate: Dibromofluoromethane	101%			7022556	7022556-BLK1	02/15/07 12:21
Surrogate: Toluene-d8	105%			7022556	7022556-BLK1	02/15/07 12:21
Surrogate: 4-Bromofluorobenzene	107%			7022556	7022556-BLK1	02/15/07 12:21
7022809-BLK1						
Benzene	<0.330		ug/L	7022809	7022809-BLK1	02/16/07 12:02
Ethylbenzene	<0.420		ug/L	7022809	7022809-BLK1	02/16/07 12:02
Toluene	<0.420		ug/L	7022809	7022809-BLK1	02/16/07 12:02
Xylenes, total	<0.450		ug/L	7022809	7022809-BLK1	02/16/07 12:02
Surrogate: 1,2-Dichloroethane-d4	96%			7022809	7022809-BLK1	02/16/07 12:02
Surrogate: Dibromofluoromethane	99%			7022809	7022809-BLK1	02/16/07 12:02
Surrogate: Toluene-d8	105%			7022809	7022809-BLK1	02/16/07 12:02
Surrogate: 4-Bromofluorobenzene	102%			7022809	7022809-BLK1	02/16/07 12:02
Extractable Petroleum Hydrocarbons						
7022538-BLK1						
Diesel	<37.0		ug/L	7022538	7022538-BLK1	02/16/07 20:08
Motor Oil	81.3		ug/L	7022538	7022538-BLK1	02/16/07 20:08
Surrogate: o-Terphenyl	88%			7022538	7022538-BLK1	02/16/07 20:08
Purgeable Petroleum Hydrocarbons						
7023312-BLK1						
GRO (C4-C12) NW	<43.0		ug/L	7023312	7023312-BLK1	02/19/07 11:59
Surrogate: a,a,a-Trifluorotoluene	115%			7023312	7023312-BLK1	02/19/07 11:59
7023312-BLK2						
GRO (C4-C12) NW	<43.0		ug/L	7023312	7023312-BLK2	02/19/07 19:19
Surrogate: a,a,a-Trifluorotoluene	111%			7023312	7023312-BLK2	02/19/07 19:19

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Total Metals by EPA Method 6010B								
7022451-BS1								
Lead	50.0	52.2		ug/L	104%	80 - 120	7022451	02/15/07 19:31
Dissolved Metals by EPA Method 6010B								
7022453-BS1								
Lead	50.0	55.6		ug/L	111%	80 - 120	7022453	02/15/07 11:01
Selected Volatile Organic Compounds by EPA Method 8260B								
7022556-BS1								
Benzene	20.0	19.6		ug/L	98%	78 - 125	7022556	02/15/07 10:33
Ethylbenzene	20.0	20.2		ug/L	101%	73 - 134	7022556	02/15/07 10:33
Toluene	20.0	19.7		ug/L	98%	78 - 122	7022556	02/15/07 10:33
Xylenes, total	60.0	60.2		ug/L	100%	79 - 130	7022556	02/15/07 10:33
Surrogate: 1,2-Dichloroethane-d4	30.0	31.2			104%	62 - 142	7022556	02/15/07 10:33
Surrogate: Dibromofluoromethane	30.0	32.0			107%	78 - 123	7022556	02/15/07 10:33
Surrogate: Toluene-d8	30.0	31.8			106%	79 - 120	7022556	02/15/07 10:33
Surrogate: 4-Bromofluorobenzene	30.0	32.0			107%	75 - 133	7022556	02/15/07 10:33
7022809-BS1								
Benzene	50.0	48.1		ug/L	96%	78 - 125	7022809	02/16/07 10:41
Ethylbenzene	50.0	49.5		ug/L	99%	73 - 134	7022809	02/16/07 10:41
Toluene	50.0	48.0		ug/L	96%	78 - 122	7022809	02/16/07 10:41
Xylenes, total	150	147		ug/L	98%	79 - 130	7022809	02/16/07 10:41
Surrogate: 1,2-Dichloroethane-d4	30.0	28.7			96%	62 - 142	7022809	02/16/07 10:41
Surrogate: Dibromofluoromethane	30.0	31.6			105%	78 - 123	7022809	02/16/07 10:41
Surrogate: Toluene-d8	30.0	30.9			103%	79 - 120	7022809	02/16/07 10:41
Surrogate: 4-Bromofluorobenzene	30.0	30.9			103%	75 - 133	7022809	02/16/07 10:41
Extractable Petroleum Hydrocarbons								
7022538-BS1								
Diesel	1000	696		ug/L	70%	35 - 122	7022538	02/16/07 20:26
Surrogate: o-Terphenyl	20.0	20.8			104%	33 - 147	7022538	02/16/07 20:26
Purgeable Petroleum Hydrocarbons								
7023312-BS2								
GRO (C4-C12) NW	1000	979		ug/L	98%	66 - 125	7023312	02/20/07 00:21
Surrogate: a,a,a-Trifluorotoluene	30.0	29.6			99%	44 - 152	7023312	02/20/07 00:21

Client ERI Tukwila (10313)
815 Industry Drive
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Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7022451-BSD1												
Lead		52.3		ug/L	50.0	105%	80 - 120	0.2	20	7022451		02/15/07 19:36

Client ERI Tukwila (10313)
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Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

PROJECT QUALITY CONTROL DATA

Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
7022451-MS1										
Lead	54.1	106		ug/L	50.0	104%	75 - 125	7022451	NQB1372-01	02/15/07 20:03
Dissolved Metals by EPA Method 6010B										
7022453-MS1										
Lead	ND	53.8		ug/L	50.0	108%	75 - 125	7022453	NQB1442-01	02/15/07 11:20
Selected Volatile Organic Compounds by EPA Method 8260B										
7022556-MS1										
Benzene	1.00E9	0.00	MHA	ug/L	50.0	2000000000%	74 - 130	7022556	NQB1426-02	02/15/07 19:07
Ethylbenzene	1.00E9	1.00E9	MHA	ug/L	50.0	0%	70 - 143	7022556	NQB1426-02	02/15/07 19:07
Toluene	22.6	84.8		ug/L	50.0	124%	70 - 137	7022556	NQB1426-02	02/15/07 19:07
Xylenes, total	47.0	237		ug/L	150	127%	62 - 147	7022556	NQB1426-02	02/15/07 19:07
Surrogate: 1,2-Dichloroethane-d4		26.6		ug/L	30.0	89%	62 - 142	7022556	NQB1426-02	02/15/07 19:07
Surrogate: Dibromofluoromethane		29.9		ug/L	30.0	100%	78 - 123	7022556	NQB1426-02	02/15/07 19:07
Surrogate: Toluene-d8		31.4		ug/L	30.0	105%	79 - 120	7022556	NQB1426-02	02/15/07 19:07
Surrogate: 4-Bromofluorobenzene		31.3		ug/L	30.0	104%	75 - 133	7022556	NQB1426-02	02/15/07 19:07
7022809-MS1										
Benzene	ND	51.6		ug/L	50.0	103%	74 - 130	7022809	NQB1585-01	02/16/07 20:08
Ethylbenzene	ND	52.4		ug/L	50.0	105%	70 - 143	7022809	NQB1585-01	02/16/07 20:08
Toluene	ND	51.2		ug/L	50.0	102%	70 - 137	7022809	NQB1585-01	02/16/07 20:08
Xylenes, total	ND	156		ug/L	150	104%	62 - 147	7022809	NQB1585-01	02/16/07 20:08
Surrogate: 1,2-Dichloroethane-d4		29.9		ug/L	30.0	100%	62 - 142	7022809	NQB1585-01	02/16/07 20:08
Surrogate: Dibromofluoromethane		32.0		ug/L	30.0	107%	78 - 123	7022809	NQB1585-01	02/16/07 20:08
Surrogate: Toluene-d8		31.1		ug/L	30.0	104%	79 - 120	7022809	NQB1585-01	02/16/07 20:08
Surrogate: 4-Bromofluorobenzene		30.6		ug/L	30.0	102%	75 - 133	7022809	NQB1585-01	02/16/07 20:08
Extractable Petroleum Hydrocarbons										
7022538-MS1										
Diesel	1570	1560	M8	ug/L	939	-1%	15 - 122	7022538	NQB1488-04	02/16/07 20:44
Surrogate: o-Terphenyl		17.7		ug/L	18.8	94%	33 - 147	7022538	NQB1488-04	02/16/07 20:44

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
7022451-MSD1												
Lead	54.1	104		ug/L	50.0	100%	75 - 125	2	20	7022451	NQB1372-01	02/15/07 20:08
Dissolved Metals by EPA Method 6010B												
7022453-MSD1												
Lead	ND	53.5		ug/L	50.0	107%	75 - 125	0.6	20	7022453	NQB1442-01	02/15/07 11:24
Selected Volatile Organic Compounds by EPA Method 8260B												
7022556-MSD1												
Benzene	1.00E9	0.00	MHA	ug/L	50.0	0000000	74 - 130		15	7022556	NQB1426-02	02/15/07 19:34
Ethylbenzene	1.00E9	1.00E9	MHA	ug/L	50.0	0%	70 - 143	0	15	7022556	NQB1426-02	02/15/07 19:34
Toluene	22.6	79.8		ug/L	50.0	114%	70 - 137	6	15	7022556	NQB1426-02	02/15/07 19:34
Xylenes, total	47.0	222		ug/L	150	117%	62 - 147	7	16	7022556	NQB1426-02	02/15/07 19:34
Surrogate: 1,2-Dichloroethane-d4		26.0		ug/L	30.0	87%	62 - 142			7022556	NQB1426-02	02/15/07 19:34
Surrogate: Dibromofluoromethane		29.3		ug/L	30.0	98%	78 - 123			7022556	NQB1426-02	02/15/07 19:34
Surrogate: Toluene-d8		31.4		ug/L	30.0	105%	79 - 120			7022556	NQB1426-02	02/15/07 19:34
Surrogate: 4-Bromofluorobenzene		31.2		ug/L	30.0	104%	75 - 133			7022556	NQB1426-02	02/15/07 19:34
7022809-MSD1												
Benzene	ND	53.3		ug/L	50.0	107%	74 - 130	3	15	7022809	NQB1585-01	02/16/07 20:35
Ethylbenzene	ND	54.1		ug/L	50.0	108%	70 - 143	3	15	7022809	NQB1585-01	02/16/07 20:35
Toluene	ND	53.1		ug/L	50.0	106%	70 - 137	4	15	7022809	NQB1585-01	02/16/07 20:35
Xylenes, total	ND	161		ug/L	150	107%	62 - 147	3	16	7022809	NQB1585-01	02/16/07 20:35
Surrogate: 1,2-Dichloroethane-d4		29.9		ug/L	30.0	100%	62 - 142			7022809	NQB1585-01	02/16/07 20:35
Surrogate: Dibromofluoromethane		31.2		ug/L	30.0	104%	78 - 123			7022809	NQB1585-01	02/16/07 20:35
Surrogate: Toluene-d8		31.4		ug/L	30.0	105%	79 - 120			7022809	NQB1585-01	02/16/07 20:35
Surrogate: 4-Bromofluorobenzene		30.2		ug/L	30.0	101%	75 - 133			7022809	NQB1585-01	02/16/07 20:35
Extractable Petroleum Hydrocarbons												
7022538-MSD1												
Diesel	1570	1470	M8	ug/L	939	-11%	15 - 122	6	50	7022538	NQB1488-04	02/16/07 21:03
Surrogate: o-Terphenyl		16.6		ug/L	18.8	88%	33 - 147			7022538	NQB1488-04	02/16/07 21:03

Client ERI Tukwila (10313)
815 Industry Drive
Tukwila, WA 98188
Attn Amanda Balzer

Work Order: NQB1426
Project Name: Exxon 7-6375
Project Number: 31116
Received: 02/14/07 07:50

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	Washington
NWTPH-Dx	Water	N/A	X	X
NWTPH-Gx	Water	N/A	X	X
SW846 6010B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X

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DATA QUALIFIERS AND DEFINITIONS

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
QSG Silica Gel clean-up performed on extracts.

METHOD MODIFICATION NOTES



Nashville Division
COOLER RECEIPT FORM

BC#



NQB1426

Cooler Received/Opened On: February 14, 2007 @7:50

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 13116

Fed-Ex UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 0.0 Degrees Celsius
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where: 2 - EXIT

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (initial).....

6. Were custody seals on containers: YES NP and Intact YES NO NP

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other _____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (initial).....

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used?..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (initial).....

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (initial).....

I certify that I attached a label with the unique LIMS number to each container (initial).....

19. Were there Non-Conformance issues at login YES NP Was a PIPE generated YES NO # _____

BIS = Broken in shipment
Cooler Receipt Form

LF-1
End of Form

Revised 3/9/06

ExxonMobil

Fax: 615-726-3404

TA Account #: 10313

Invoice To: Tim Strawn

Report To: Amanda Balzer

PO #: 4508140174

Facility ID # 7-6375

Site Address 8325 Mukilteo Speedway

City, State, Zip Mukilteo, WA 98275

Regulatory District (CA) N/A

						Preservative							Matrix								Analyze For:												
Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ , Plastic (Yellow Label)	H ₂ SO ₄ , Glass (Yellow Label)	HNO ₃ (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	BTEX by 8260b	TPH-G by NWTPH-GX	TPH-D by NWTPH-Dx	TPH-O by NWTPH-DX	Total Pb by 6010B	Dissolved Pb by 6010E	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report			
NQB1426 02/28/07 23:59																																	
MW1	2/13/2007	6:45	9	X					7				1	1	X							X	X	X	X	X	X	M	d	g	1	L	E
SV2	2/13/2007	6:15	10	X					8				1	1	X							X	X	X	X	X	X						
Comments/Special Instructions: ERI Project Number 31116															Laboratory Comments: Temperature Upon Receipt: Sample Containers Intact? Y N VOCs Free of Headspace? Y N <u>QC Deliverables (please circle one)</u> Level 2 Level 3 Level 4 Site Specific - if yes, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions																		
Relinquished by: Matthew K. Saupe	Date 13-Feb	Time	Received by:		Date	Time																											
Relinquished by:	Date	Time	Received by (Lab personnel) <i>[Signature]</i> 2/14/07 7:50 P.M.		Date	Time																											

FIELD LOG									
PURGING AND SAMPLING RECORD & WELL EQUIPMENT STATUS									
CLIENT NAME: ExxonMobil 7-6375				ERI JOB #: 31116		0.163 gal/ft for a 2" well			
SITE LOCATION: Mukiteo						0.652 gal/ft for a 4" well			
FIELD CREW: MKS				DATE: 02/13/2007		1.167 gal/ft for a 6" well			
WELL EQUIPMENT STATUS OPTIONS:									
N = Not Repaired in time available				OK = No action needed					
R = Repaired				Yes No N/A					

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL		
MW1	6:37 AM	9.44	12	2	0.42	1.25		
	6:40 AM					1		
	6:41 AM					2		
SW	6:45 AM	9.70						
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?
	OK	OK	OK	OK	OK	OK	No	No
COMMENTS:								

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL		
MW2	6:30 AM	DRY	24.5	2				
SW								
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?
	OK	OK	OK	OK	OK	OK	No	No
COMMENTS:								

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL		
SV1	3:34 AM	DRY	14.5	2				
SW								
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?
	OK	R	OK	OK	OK	OK	No	No
COMMENTS:								

WELL #	TIME	DEPTH TO WATER	DEPTH OF WELL	CASE DIA	CASE VOL(gal)	PRG VOL		
SV2	5:56 AM	2.42	7.5	2	0.83	2.49		
	5:58 AM					1		
	5:58 AM					2		
	5:59 AM					3		
SW	6:15 AM	3.20						
	VAULT LID	BOLTS	GASKET	WELL PLUG	LOCK	VAULT SEAL	WATER IN VAULT?	REPLACE VAULT?
	OK	OK	OK	OK	OK	OK	No	No
COMMENTS:								