



February 11, 2009

Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Ste. 250
Alameda, California 94502

**Subject: 4th Quarter 2008 Groundwater Monitoring and Sampling Report
Rolls-Royce Engine Service Test Facility,
6701 Old Earhart Road, Oakland, California
Alameda County Site #RO0002606**

On behalf of Rolls-Royce Engine Services-Oakland Inc. (RR), Gettler-Ryan Inc. (GR) has prepared this fourth quarter 2008 groundwater monitoring and sampling report for the above-referenced property. This report describes the field and analytical methods, provides a summary of groundwater monitoring results, and presents conclusions and recommendations regarding groundwater conditions at the site.

Site Location and Description

The subject site is located at 6701 Old Earhart Road, adjacent to the Metropolitan Oakland International Airport (MOIA)-North Field, Oakland, California (Figure 1). Topography in the vicinity of the subject site is relatively flat at an average elevation of approximately 7.5 feet above mean sea level. The closest surface water is within the tidal wetlands bordering the site to the east.

Pertinent site features consist of six engine test cells with auxiliary structures (sheds, pumphouse, waste water sumps, aboveground oil/water separator, control buildings, gas conditioning facility, air receivers, cooling towers, flare stack, etc), one 30,000-gallon aboveground liquefied petroleum fuel tank, one 10,000-gallon jet A fuel underground storage tank (UST) and two paired 8,000-gallon jet A fuel USTs. Pertinent site features and the location of the USTs are shown on Figure 2.

For site background and previous environmental investigation, please refer to GR report No. 25-948218.07, *Well Installation Report*, dated January 11, 2008.

Groundwater Monitoring

On December 19, 2008, GR personnel conducted quarterly groundwater monitoring of nineteen wells (MW-1 through MW-15, MW-17, MW-18, NPORD MW-3 and NPORD MW-4). Work at the site included measuring static groundwater levels, evaluating groundwater in the wells for the presence of petroleum hydrocarbons, and purging and sampling the wells for laboratory analysis. Groundwater monitoring and sampling were performed in accordance with GR Field Methods and Procedures, Quarterly Groundwater Sampling (attached).

On December 19, 2008, GR collected depth to groundwater measurements in nineteen wells (MW-1 through MW-15, MW-17, MW-18, NPORD MW-3 and NPORD MW-4) and checked groundwater for the presence of Separate-Phase Hydrocarbons (SPH). Approximately 0.36 ft of SPH were observed in well MW-18.

Approximately 0.16 gallon (20 ounces) of SPH and 0.13 gallon of water were bailed from well MW-18 and were stored onsite in a 55-gallon DOT approved drum pending disposal. Water level data, groundwater elevations, and SPH thicknesses are presented in attached Table 1. Field data sheets for this event are attached.

Groundwater monitoring wells MW-1 through MW-15, MW-17, MW-18, NPORD MW-3 and NPORD MW-4 were purged and sampled on the same date they were monitored. Well MW-18 was not sampled due to presence of 0.36 feet of SPH. Groundwater samples were submitted under chain-of-custody protocol to Kiff Analytical (ELAP #2236) of Davis, California. A copy of the laboratory analytical reports and chain-of-custody documents are attached. Purge water generated from the sampling activities was stored onsite in 55-gallon DOT approved drums pending disposal. GR understands that the disposal of water generated will be handled by RR.

Results

Groundwater Gradient

On December 19, 2008, the groundwater flow direction varied with hydraulic gradients ranging between 0.01 ft/ft to 0.04 ft/ft. A Potentiometric Map is presented as Figure 3.

Analytical Results

Groundwater samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-tert Butyl Ether (MtBE), and naphthalene by EPA Method 8260B, and for Total Petroleum Hydrocarbons as diesel (TPHd), Total Petroleum Hydrocarbons as motor oil (TPHmo), and Total Petroleum Hydrocarbons as jet fuel (TPHjf) by modified EPA Method 8015. Groundwater chemical analytical results for this event are presented in Table 1.

Concentrations of TPHg, TPHd, TPHmo, TPHjf, BTEX, MtBE and naphthalene were reported below the laboratory method detection limits in groundwater samples collected from wells MW-1, MW-2, MW-12, MW-15, and NPORD MW-3.

TPHg was detected in the water sample collected from well MW-13 at a concentration of 280 parts per billion (ppb). Concentrations of TPHg were reported below the laboratory method detection limits in water samples collected from the remaining wells.

TPHd was detected in nine wells at concentrations ranging from 130 ppb in well MW-13 to 4,100 ppb in well MW-9. Concentrations of TPHmo were detected in eight wells at levels ranging from 640 ppb in well NPORD MW-4 to 8,500 ppb in well MW-9. TPHjf was detected in thirteen wells at concentrations ranging from 54 ppb in well MW-17 to 4,000 ppb in well MW-9.

BTEX constituents were reported as below the laboratory method detection limits in all of the wells, except for benzene detected in well MW-13 at a concentration of 0.89 ppb.

MtBE was detected in wells MW-3, MW-13, MW-14 at concentrations of 1.2 ppb, 1.7 ppb, and 1.2 ppb, respectively. Naphthalene was detected in well MW-13 at a concentration of 4.8 ppb. TPHg, TPHd, TPHmo and TPHjf concentrations are presented on Figure 4.

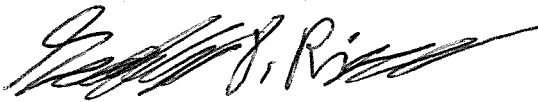
Conclusions and Recommendations

Based on the results of this groundwater monitoring and sampling event, GR concludes and recommends the following:

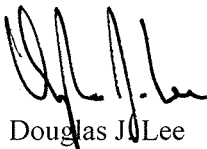
- Non-detectable concentrations of dissolved petroleum hydrocarbons were present in wells MW-1, MW-2, MW-12, MW-15 and NPORD MW-3 located along the northeast edge of the site;
- Detectable dissolved concentrations of TPHg appear limited to the areas in the vicinity of well MW-13;
- Separate-phase hydrocarbons continue to be limited to the vicinity of MW-18;
- Detectable dissolved concentrations of TPHd, TPHmo and TPHjf were present in a majority of the site wells. The highest concentrations have been detected in the northwest portion of the site in the vicinity of Test Cells 5, 6, and 7; and
- GR recommends continuing quarterly groundwater monitoring and sampling of all wells to further evaluate groundwater flow direction, groundwater quality and plume stability over time.

If you have any questions, please feel free to contact our Rancho Cordova office at (916) 631-1300.

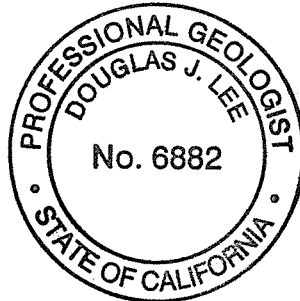
Sincerely,
Gettler-Ryan Inc.



Geoffrey D. Risse
Staff Geologist



Douglas J. Lee
Senior Geologist, P.G. No. 6882



Attachments: Table 1, Groundwater Monitoring Results
Figure 1, Vicinity Map
Figure 2, Site Plan
Figure 3, Potentiometric Map
Figure 4, Concentration Map
GR Field Methods and Procedures
Field Data Sheets
Laboratory Analytical Report and Chain of Custody

CC: Dave Goldberg, Rolls-Royce Engine Services-Oakland Inc
Dale Klettke, Port of Oakland

Table 1
 Groundwater Monitoring Results
 Rolls-Royce Engine Service Test Facility
 6701 Old Earhart Road
 Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH											
				Thickness (feet)	GWE (feet)	TPHg (ppb)	TPHd ¹ (ppb)	TPHmo (ppb)	TPHjf (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MtBE (ppb)	Napthalene (ppb)
MW-1	10/3/07	7.17	3.04	0.00	4.13	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	7.17	3.02	0.00	4.15	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	7.17	3.38	0.00	3.79	<50	<50	<100	51 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	7.17	3.03	0.00	4.14	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	7.17	2.82	0.00	4.35	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-2	10/3/07	7.03	2.80	0.00	4.23	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	7.03	2.94	0.00	4.09	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	7.03	3.32	0.00	3.71	<50	<50	<100	97 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	7.03	2.75	0.00	4.28	<50	<50	<100	410 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	7.03	2.54	0.00	4.49	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-3	10/2/07	6.73	4.56	0.00	2.17	<50	<50	<100	410	<0.50	<0.50	<0.50	<0.50	1.6 ⁴	<0.50
	3/14/08	6.73	3.98	0.00	2.75	<50	<50	<100	120 ⁹	<0.50	<0.50	<0.50	<0.50	0.99	<0.50
	6/26/08	6.73	4.21	0.00	2.52	<50	<50	<100	610 ⁷	<0.50	1.7	<0.50	<0.50	0.93	<0.50
	9/25/08	6.73	4.25	0.00	2.48	<50	<50	<100	650 ¹⁶	<0.50	<0.50	<0.50	<0.50	1.2	<0.50
	12/19/08	6.73	4.25	0.00	2.48	<50	<50	<100	520¹⁸	<0.50	<0.50	<0.50	<0.50	1.2	<0.50
MW-4	10/2/07 ⁴	9.79	5.81	0.00	3.98	<50	86	<100	280	<0.50	0.63	<0.50	<0.50	<0.50	<0.50

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				Thickness (feet)												
MW-4 (con't)	3/14/08	9.79	5.82	0.00		3.97	<50	3,300	2,400	3,400 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	9.79	6.08	0.00		3.71	<50	2,300	1,900	2,700 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	9.79	5.98	0.00		3.81	<50	1,600	1,400	2,100 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	9.79	5.93	0.00		3.86	<50	<50¹⁹	<100¹⁹	440¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-5	10/2/07	8.35	4.75	0.00		3.60	<50	5,600	11,000	5,300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	8.35	4.40	0.00		3.95	<50	1,200 ⁶	1,700	1,100 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	8.35	4.68	0.00		3.67	<50	1,400 ⁶	3,200	2,000 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	8.35	4.52	0.00		3.83	<50	670 ⁶	1,200	940 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	8.35	4.43	0.00		3.92	<50	2,100⁶	4,100	1,900¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-6	10/2/07	9.51	5.90	0.00		3.61	<50	3,000 ⁶	7,700	2,500 ⁷	<0.50	<0.50	0.86	1.1	<0.50	0.53
	3/14/08	9.51	5.55	0.00		3.96	<50	3,600 ¹⁰	7,600	2,800 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	9.51	5.80	0.00		3.71	<50	3,200 ¹⁰	9,400	3,200 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	9.51	5.69	0.00		3.82	<50	3,500 ¹⁰	8,800	3,800 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	9.51	5.43	0.00		4.08	<50	1,500¹⁰	5,500	1,200¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-7	10/2/07	9.23	5.68	0.00		3.55	<50	12,000 ⁶	34,000	9,100 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	0.76
	3/14/08	9.23	5.32	0.00		3.91	<50	7,900 ⁶	20,000	5,500 ¹¹	<0.50	<0.50	<0.50	<0.50	<0.50	3.5
	6/26/08	9.23	5.56	0.00		3.67	<50	3,300 ⁶	10,000	3,300 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

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				Thickness (feet)												
MW-7	9/25/08	9.23	5.46	0.00		3.77	<50	5,300 ¹⁰	13,000	6,000 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	0.98
(con't)	12/19/08	9.23	5.38	0.00		3.85	<50	<50¹⁹	<100¹⁹	350¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-8	9/14/07	8.25	4.65	0.00		3.60	<50	790 ³	2,700	1,000 ²	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	Not able to sample well-no access agreement between Rolls-Royce and Port of Oakland														
	7/3/04	8.25	4.49	0.00		3.76	<50	1,200 ⁶	4,400	1,800 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	8.25	4.41	0.00		3.84	<50	<50	130	140 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	8.25	4.31	0.00		3.94	<50	160⁶	840	340¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-9	10/3/07	9.44	5.81	0.00		3.63	<50	7,700	10,000	6,700	<0.50	<0.50	<0.50	<0.50	<0.50 ⁴	<0.50
	3/14/08	9.44	5.51	0.00		3.93	<50	6,400	8,000	4,000 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	9.44	5.72	0.00		3.72	<50	1,600 ¹⁰	1,800	1,800 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	9.44	5.59	0.00		3.85	<50	5,900 ¹⁰	9,300	6,300 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	9.44	5.43	0.00		4.01	<50	4,100⁶	8,500	4,000¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-10	10/3/07	7.51	3.89	0.00		3.62	110	4,200	1,300	4,500	<0.50	<0.50	<0.50	<0.50	<0.50 ⁴	<0.50
	3/14/08	7.51	3.68	0.00		3.83	53	420	270	420 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	0.50
	6/26/08	7.51	3.80	0.00		3.71	120	1,200	1,000	2,000	<0.50	<0.50	<0.50	<0.50	<0.50	5.0
	9/25/08	7.51	3.68	0.00		3.83	<50	3,100 ¹⁰	2,200	3,600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

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				Thickness (feet)												
MW-10 (con't)	12/19/08	7.51	3.54	0.00		3.97	<50	1,700	1,200	1,900¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-11	10/3/07	7.60	4.01	0.00		3.59	80	250	490	610	<0.50	<0.50	<0.50	<0.50	<0.50 ⁴	<0.50
	3/14/08	7.60	3.71	0.00		3.89	61	410 ⁶	1,200	520 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	7.60	3.92	0.00		3.68	<50	2,700 ¹⁰	7,300	3,600 ¹⁵	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	7.60	3.82	0.00		3.78	<50	2,800 ¹⁰	5,900	3,800 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	7.60	3.71	0.00		3.89	<50	1,500⁶	3,700	1,800¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-12	10/3/07	7.32	3.61	0.00		3.71	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50 ⁴	<0.50
	3/14/08	7.32	3.35	0.00		3.97	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	7.32	3.60	0.00		3.72	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	7.32	3.50	0.00		3.82	<50	<50	<100	51 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	7.32	3.09	0.00		4.23	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-13	10/3/07	6.10	2.86	0.00		3.24	160	70 ⁸	<100	660	<0.50	<0.50	<0.50	<0.50	1.2 ⁴	1.7
	3/14/08	6.10	1.96	0.00		4.14	350 ¹²	490	130 ¹³	1,200	0.89	<0.50	<0.50	<0.50	2.0	8.9
	6/26/08	6.10	2.57	0.00		3.53	720	200 ⁸	<100	4,100 ¹⁵	2.0	<0.50	<0.50	0.60	3.3	3.3
	9/25/08	6.10	2.48	0.00		3.62	600	<200 ¹⁷	130 ¹³	1,900 ¹⁶	1.2	<0.50	<0.50	<0.50	2.9	11
	12/19/08	6.10	2.68	0.00		3.42	280	130⁸	<100	1,300¹⁸	0.89	<0.50	<0.50	<0.50	1.7	4.8

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Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH											
				Thickness (feet)	GWE (feet)	TPHg (ppb)	TPHd ¹ (ppb)	TPHmo (ppb)	TPHjf (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MtBE (ppb)	Napthalene (ppb)
MW-14	10/2/07	6.42	2.40	0.00	4.02	67	300	870	1,400	<0.50	<0.50	<0.50	<0.50	1.4 ⁴	6.1
	3/14/08	6.42	2.44	0.00	3.98	50	250 ⁶	350	500 ⁷	<0.50	<0.50	<0.50	<0.50	1.7	5.0
	6/26/08	6.42	2.62	0.00	3.80	<50	570 ¹⁰	2,700	2,000 ¹⁵	<0.50	<0.50	<0.50	<0.50	1.4	3.1
	9/25/08	6.42	2.58	0.00	3.84	<50	510 ¹⁰	1,700	1,800 ¹⁶	<0.50	<0.50	<0.50	<0.50	1.0	<0.50
	12/19/08	6.42	2.14	0.00	4.28	<50	480⁶	2,100	1,200¹⁸	<0.50	<0.50	<0.50	<0.50	1.2	<0.50
MW-15	10/2/07	7.51	4.85	0.00	2.66	<50	99	<100	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	7.51	4.62	0.00	2.89	<50	<50	<100	88 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08	7.51	4.81	0.00	2.70	<50	<50	<100	84 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	7.51	4.81	0.00	2.70	<50	<50	<100	53	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	7.51	4.67	0.00	2.84	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-17	9/14/07	0.04	4.10	0.00	-4.06	<50	<50	220	150 ²	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	Not able to sample well-no access agreement between Rolls-Royce and Port of Oakland													
	7/3/08	0.04	1.98	0.00	-1.94	<50	<50	<100	84 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08 ¹⁴	0.04	4.77	0.00	-4.73	<50	<50	120	110 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	0.04	2.24	0.00	-2.20	<50	<50	<100	54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-18	10/2/07	7.05	4.15	0.55	3.34**	Not developed or sampled due to presence of SPH									
	3/14/08	7.05	3.62	0.63	3.93**	Not sampled due to presence of SPH									

Table 1
 Groundwater Monitoring Results
 Rolls-Royce Engine Service Test Facility
 6701 Old Earhart Road
 Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH		TPHg (ppb)	TPHd ¹ (ppb)	TPHmo (ppb)	TPHjf (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MtBE (ppb)	Naphthalene (ppb)
				Thickness (feet)	GWE (feet)										
MW-18 (con't)	6/26/08	7.05	4.11	1.14	3.85**					Not sampled due to presence of SPH					
	9/25/08	7.05	3.77	0.56	3.73**					Not sampled due to presence of SPH					
	12/19/08	7.05	3.30	0.36	4.04**					Not sampled due to presence of SPH					
NPORD MW-3	9/14/07	8.11	4.43	0.00	3.68	<50	<50	<100	64 ²	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	Not able to sample well-no access agreement between Rolls-Royce and Port of Oakland													
	7/3/08	8.11	3.96	0.00	4.15	<50	<50	<100	99 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	8.11	4.06	0.00	4.05	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	8.11	3.78	0.00	4.33	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
NPORD MW-4	9/14/07	10.06	6.48	0.00	3.58	50	1,000 ³	1,400	2,000 ²	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	Not able to sample well-no access agreement between Rolls-Royce and Port of Oakland													
	7/3/08	10.06	6.26	0.00	3.80	<50	360 ⁶	700	960 ⁷	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	9/25/08	10.06	6.28	0.00	3.78	<50	150 ⁶	240	820 ¹⁶	<0.50	<0.50	<0.50	<0.50	<0.50 ⁴	<0.50
	12/19/08	10.06	6.15	0.00	3.91	<50	320¹⁰	640	1,400¹⁸	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
QA	9/14/07	--	--	--	--	<50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	10/2/07	--	--	--	--	<50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	3/14/08	--	--	--	--	<50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/26/08 ¹⁴	--	--	--	--	<50	NA	NA	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Table 1
 Groundwater Monitoring Results
 Rolls-Royce Engine Service Test Facility
 6701 Old Earhart Road
 Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	SPH		GWE (feet)	TPHg (ppb)	TPHd ¹ (ppb)	TPHmo (ppb)	TPHjf (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MtBE (ppb)	Naphthalene (ppb)
				Thickness (feet)												
QA	7/3/08	--	--	--		--	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
(con't)	9/25/08	--	--	--		--	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	12/19/08	--	--	--		--	<50	<50	<100	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Explanation:

TOC = Top of Casing Elevation
 DTW = Depth to Water
 GWE = Groundwater Elevation
 ft = feet
 SPH = Separate Phase Hydrocarbons
 ppb = parts per billion (µg/L)
 NA = Not Analyzed
 -- = Not Applicable
 QA = Trip Blank
 TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 TPHmo = Total Petroleum Hydrocarbons as motor oil
 TPHjf = Total Petroleum Hydrocarbons as jet fuel
 B = Benzene

Analytical Laboratory:

Kiff Analytical LLC (ELAP # 2236)

Analytical Methods:

TPHg/BTEX/MtBE/Naphthalene by EPA Method 8260B
 TPHd/TPHmo/TPHjf by modified EPA Method 8015

Table 1
Groundwater Monitoring Results
Rolls-Royce Engine Service Test Facility
6701 Old Earhart Road
Oakland, California

Explanation: (con't)

- T = Toluene
E = Ethylbenzene
X = total xylenes
MtBE = Methyl tert-Butyl Ether
** = GWE corrected for the presence of SPH [(TOC-DTW) + (SPH thickness x SPH specific gravity)]. Specific gravity of SPH is assumed to be 0.8.

Notes:

- TOC elevations surveyed relative to mean sea level by Morrow Surveying (PLS #5161) on October 8, 2007
- ¹ With Silica Gel Cleanup
 - ² Discrete peaks, higher boiling hydrocarbons present in sample that are atypical for Jet Fuel
 - ³ Discrete peaks, higher boiling hydrocarbons present in sample that are atypical for Diesel Fuel
 - ⁴ Matrix spike/matrix spike duplicate results associated with these samples for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.
 - ⁵ Due to the formation of an emulsion in this sample, the sample was centrifuged and decanted prior to extraction.
 - ⁶ Hydrocarbons present in this sample are higher-boiling than typical Diesel Fuel.
 - ⁷ Hydrocarbons present in this sample are higher-boiling than typical Jet Fuel.
 - ⁸ Lower boiling hydrocarbons are present in this sample that are atypical for Diesel Fuel.
 - ⁹ Discrete peaks present in this sample that are atypical for Jet Fuel.
 - ¹⁰ Some lower-boiling hydrocarbons than Diesel and some higher-boiling hydrocarbons than Diesel are present in this sample.
 - ¹¹ Both lower-boiling and higher-boiling hydrocarbons than Jet Fuel are present in this sample.
 - ¹² Sample contained primarily compounds not found in typical Gasoline.
 - ¹³ Hydrocarbons present in this sample are lower-boiling than typical Motor Oil

Table 1
Groundwater Monitoring Results
Rolls-Royce Engine Service Test Facility
6701 Old Earhart Road
Oakland, California

Notes: (con't)

¹⁴ Sample was analyzed by EPA Method 8260B using bottles that contained headspace bubbles greater than 1/4-inch in diameter

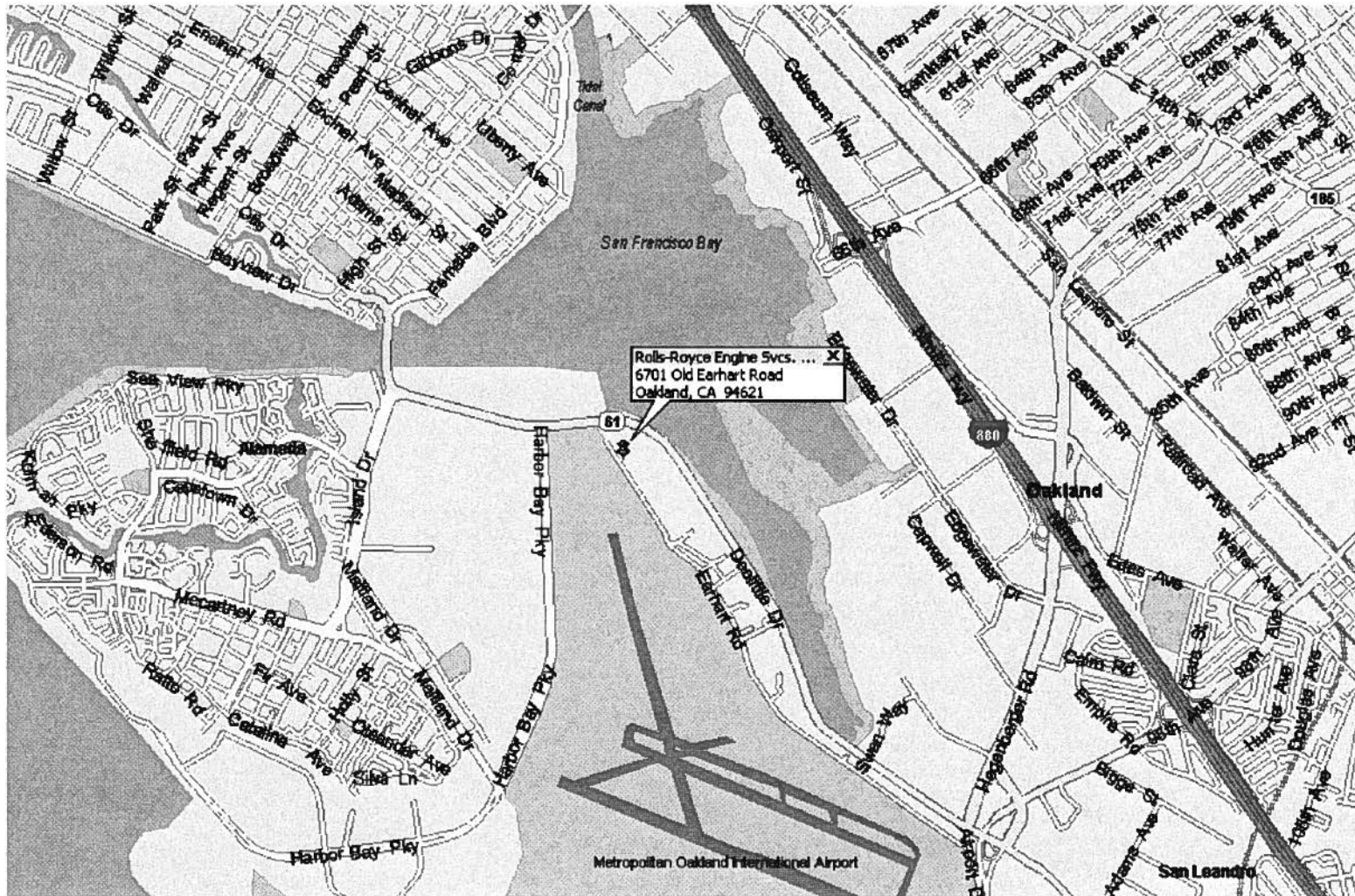
¹⁵ Lower boiling hydrocarbons are present in this sample that are atypical for Jet Fuel.

¹⁶ Chromatographic pattern not typical for Jet Fuel.

¹⁷ Diesel method reporting limit for this sample was increased due to interference from Gasoline range hydrocarbons.

¹⁸ Higher-boiling hydrocarbons are present in this sample that are atypical for Jet Fuel.

¹⁹ Laboratory confirmed results



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SITE LOCATION MAP
ROLLS-ROYCE ENGINE SERVICES TEST FACILITY
6701 OLD EARHART RD.
OAKLAND, CA

FIGURE
1

PROJECT NUMBER
25-948218.7

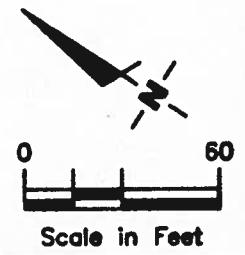
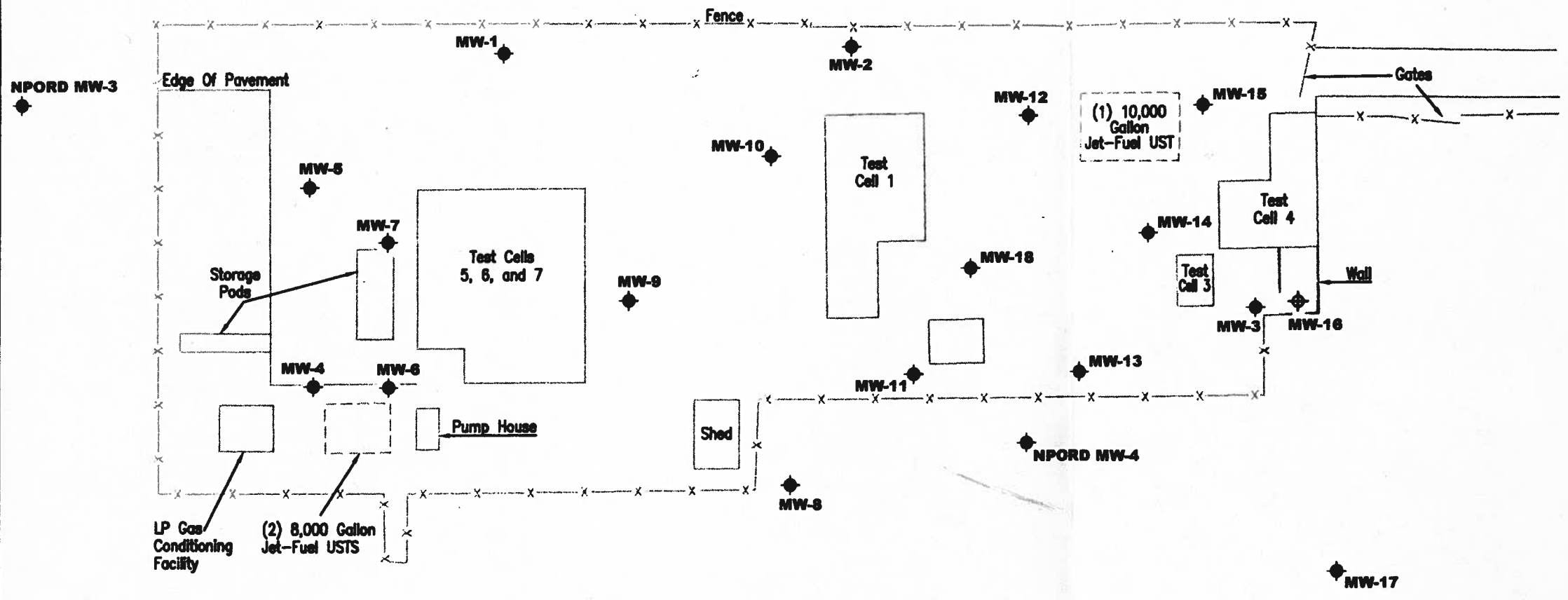
REVIEWED BY

DATE
11/13/07

REVISED DATE

EXPLANATION

- ◆ Groundwater monitoring well
- ◆ Proposed monitoring well - not installed location inaccessible by drill rig



Source: Figure modified from drawing provided by Morrow Surveying, Dated: 10/8/07.

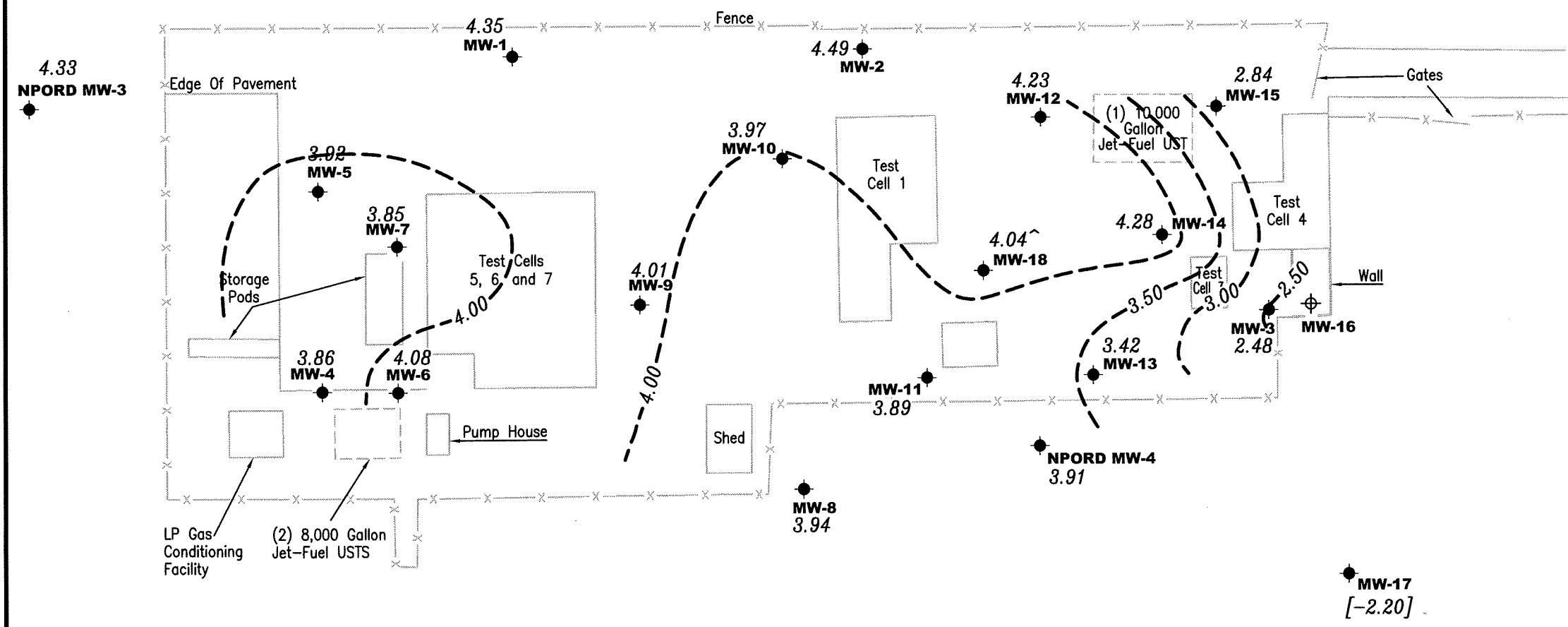
SITE PLAN
 Rolls-Royce Engine Services Test Facility
 6701 Old Earhart Road
 Oakland, CA

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PROJECT NUMBER: 948218.2
 FILE NAME: P:\Environ\Rolls Royce\007-Rolls Royce.dwg | Layout Tab: Site Plan
 REVIEWED BY: [Signature]
 DATE: 11/07
 REVISED DATE: [Blank]

EXPLANATION

- Groundwater monitoring well
- ⊕ Proposed monitoring well - not installed location inaccessible by drill rig
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- ^ Groundwater elevation corrected for the presence of separate-phase hydrocarbons
- [99.99] Not used in contouring



Groundwater flow direction varies at a gradient of 0.01 to 0.04 Ft./Ft.

POTENTIOMETRIC MAP
 Rolls-Royce Engine Services Test Facility
 6701 Old Earhart Road
 Oakland, CA

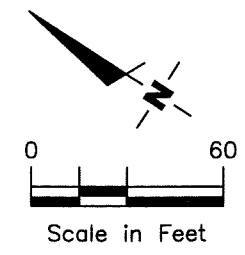
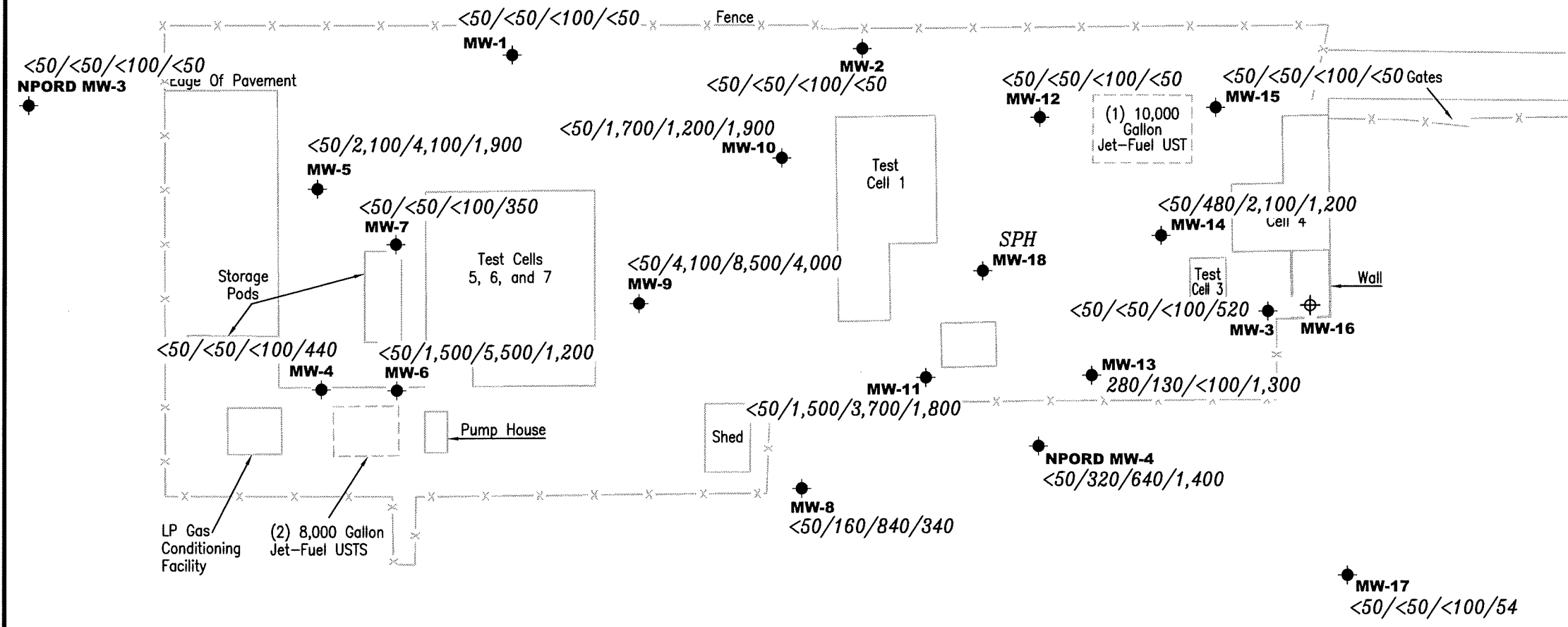
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PROJECT NUMBER 948218.2
 REVIEWED BY
 DATE December 19, 2008
 REVISED DATE

Source: Figure modified from drawing provided by Morrow Surveying, Dated: 10/8/07.

EXPLANATION

- Groundwater monitoring well
- ⊕ Proposed monitoring well - not installed location inaccessible by drill rig
- A/B/C/D Total Petroleum Hydrocarbons (TPH) as Gasoline/TPH as Diesel/TPH as Motor Oil/TPH as Jet Fuel concentrations in µg/L
- SPH Separate Phase Hydrocarbons



Source: Figure modified from drawing provided by Morrow Surveying, Dated: 10/8/07.

CONCENTRATION MAP
 Rollis-Royce Engine Services Test Facility
 6701 Old Earhart Road
 Oakland, CA

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 (925) 551-7555

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 REVIEWED BY: [Signature]
 DATE: December 19, 2008
 REVISED DATE: [Blank]

STANDARD OPERATING PROCEDURE - QUARTERLY GROUNDWATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analyses by the analytical laboratory. Prior to sample collection, the type of analyses to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analyses is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is recorded in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH, and electrical conductivity are measured a minimum of three times during purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include job number, sample identification, collection date and time, analyses, preservative (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4 °C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery to the laboratory.

The chain of custody includes the job number, type of preservation, if any, analyses requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory-supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

WELL CONDITION STATUS SHEET

Client/Facility #: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job # 25-948218.1
 Event Date: 12/18/02
 Sampler: JD

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
M Pond	OK	N/A	→		OK	→	→	N	N	Moran	N
M Pond	OK		→			→	→	N	N	12" Moran	N
MW-8	OK		→			→	→	N	N	8" Moran	N
MW-7	OK		→			→	→	N	N	↓	N
MW-6	OK		→			→	→	N	N		N
MW-5	OK		→			→	→	N	N		N

Comments _____

WELL CONDITION STATUS SHEET

Client/Facility #: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job # 25-948218.1
 Event Date: 12-19-08
 Sampler: SH

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-5	OK									Morrison / 8" / 2	
MW-1	OK			3 S	OK					BL / 8" / 3	
MW-9	OK									Morrison / 8" / 2	
MW-10	OK									"	
MW-11	OK									"	
MW-2	OK			3 S	OK					BL / 8" / 3	

Comments _____

WELL CONDITION STATUS SHEET

Client/Facility #: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job # 25-948218.1
 Event Date: 12-19-08
 Sampler: AW

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-17	OK	—————	—————	—————	—————	—————	—————	N	N	Morrison / 8" / 2	
MW-15	OK	—————	—————	—————	—————	—————	—————	N	N	↓	
MW-12	OK	—————	—————	—————	—————	—————	—————	N	N	↓	
MW-14	OK	—————	—————	—————	—————	—————	—————	N	N	↓	
MW-3	OK	OK	2M/2B	2B	OK	—————	—————	N	N	Boart Logix / 8" / 3	
MW-13	OK	—————	—————	—————	—————	—————	—————	N	N	Morrison / 12" / 2	
MW-18	OK	—————	—————	—————	—————	—————	—————	N	N	Morrison / 8" / 2	

Comments _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: SH

Well ID: MW-1 Date Monitored: 12-19-08
 Well Diameter: 214 in.
 Total Depth: 745 ft.
 Depth to Water: 282 ft. Check if water column is less than 0.50 ft.
463 xVF .17 = 0.79 x3 case volume = Estimated Purge Volume: 2.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 375

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0953 Weather Conditions: cloudy
 Sample Time/Date: 1020 / 12-19-08 Water Color: cloudy Odor: YINS
 Approx. Flow Rate: _____ gpm. Sediment Description: list
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 301

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0956</u>	<u>1</u>	<u>7.83</u>	<u>Out of Range</u>	<u>16.7</u>	_____	_____
<u>0959</u>	<u>2</u>	<u>7.87</u>	<u>↓</u>	<u>16.8</u>	_____	_____
<u>1005</u>	<u>2.5</u>	<u>7.85</u>	<u>↓</u>	<u>16.8</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: SH

Well ID: MW-2 Date Monitored: 12-19-08
 Well Diameter: 2 1/4 in.
 Total Depth: 11.80 ft.
 Depth to Water: 2.54 ft. Check if water column is less than 0.50 ft.
9.26 xVF 1.17 = 1.157 x3 case volume = Estimated Purge Volume: 5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.39

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1251 Weather Conditions: Cloudy
 Sample Time/Date: 1330 / 12-19-08 Water Color: Cloudy Odor: Y/T/N
 Approx. Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 3.59

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)
<u>1258</u>	<u>2</u>	<u>8.37</u>	<u>OUT OF RANGE</u>	<u>15.6</u>		
<u>1303</u>	<u>4</u>	<u>8.41</u>	<u>↓</u>	<u>16.3</u>		
<u>1310</u>	<u>5</u>	<u>8.56</u>		<u>16.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job Number: 25-948218.1
 Event Date: 12-19-08 (inclusive)
 Sampler: AW

Well ID: WFOEDMW-3

Date Monitored: 12-19-08

Well Diameter: 2 1/4 in.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Total Depth: 12.10 ft.

Depth to Water: 4.25 ft.

Check if water column is less then 0.50 ft.

7.85 xVF 17 = 1.33 x3 case volume = Estimated Purge Volume: 4.00 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.82

Purge Equipment:

- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:

- Disposable Bailer
- Pressure Bailer
- Discrete Bailer
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____ gal
Product Transferred to:	_____

Start Time (purge): 1130

Weather Conditions: Cloudy

Sample Time/Date: 1155 / 12-19-08

Water Color: Cloudy Odor: Y. 1(N)

Approx. Flow Rate: — gpm.

Sediment Description: Cloudy

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 4.99

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1135</u>	<u>1.5</u>	<u>6.68</u>	<u>2661</u>	<u>15.9</u>		
<u>1140</u>	<u>3.0</u>	<u>6.74</u>	<u>3246</u>	<u>16.3</u>		
<u>1145</u>	<u>4.0</u>	<u>6.76</u>	<u>3757</u>	<u>16.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>WFOEDMW-3</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12/19/08 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-4 Date Monitored: 12/19/08
 Well Diameter: 214 in.
 Total Depth: 9.89 ft.
 Depth to Water: 5.93 ft.
3.96 xVF .17 = .67 x3 case volume = Estimated Purge Volume: 2.01 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.72

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Purge Equipment:
 Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1240 Weather Conditions: cloudy
 Sample Time/Date: 1300 / 12/19/08 Water Color: cloudy Odor: oil
 Approx. Flow Rate: - gpm. Sediment Description: 1.5 lb
 Did well de-water? no If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 6.61

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - US)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1242</u>	<u>.75</u>	<u>7.34</u>	<u>1804</u>	<u>17.7</u>		
<u>1244</u>	<u>1.5</u>	<u>7.20</u>	<u>1861</u>	<u>17.4</u>		
<u>1246</u>	<u>2.0</u>	<u>7.11</u>	<u>1894</u>	<u>17.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>4</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: SH

Well ID: MW-5 Date Monitored: 12-19-08
 Well Diameter: 2.4 in. Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38
 Total Depth: 9.90 ft. Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80
 Depth to Water: 4.43 ft. Check if water column is less than 0.50 ft.
5.47 xVF 1.17 = 1 x3 case volume = Estimated Purge Volume: 3 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.52

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0915 Weather Conditions: Cloudy
 Sample Time/Date: 0945 / 12-19-08 Water Color: Grey Odor: Y / N
 Approx. Flow Rate: _____ gpm. Sediment Description: Moderate
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0920</u>	<u>1</u>	<u>7.31</u>	<u>out of range</u>	<u>16.6</u>		
<u>0924</u>	<u>2</u>	<u>7.42</u>	<u>↓</u>	<u>17.0</u>		
<u>0928</u>	<u>3</u>	<u>7.46</u>		<u>17.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12/19/08 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-6 Date Monitored: 12/19/08
 Well Diameter: 2 1/4 in.
 Total Depth: 10.00 ft.
 Depth to Water: 5.43 ft. Check if water column is less than 0.50 ft.
4.57 x VF .17 = .77 x3 case volume = Estimated Purge Volume: 2.33 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.34

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1155 Weather Conditions: cloudy
 Sample Time/Date: 1220 / 12/19/08 Water Color: cloudy Odor: GIN
 Approx. Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? no If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 6.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1157</u>	<u>.75</u>	<u>7.27</u>	<u>out of range</u>	<u>17.5</u>		
<u>1200</u>	<u>1.5</u>	<u>7.20</u>	<u>↓</u>	<u>17.1</u>		
<u>1203</u>	<u>2.25</u>	<u>7.04</u>		<u>16.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12/19/08 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-7 Date Monitored: 12/19/08
 Well Diameter: 214 in.
 Total Depth: 10.00 ft.
 Depth to Water: 5.38 ft. Check if water column is less than 0.50 ft.
4.62 x VF .17 = .78 x3 case volume = Estimated Purge Volume: 2.35 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.30

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Purge Equipment:

Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1320 Weather Conditions: cloudy
 Sample Time/Date: 1345 / 12/19/08 Water Color: clear Odor: (Y) / N
 Approx. Flow Rate: _____ gpm. Sediment Description: @ 1.5 ft
 Did well de-water? no If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 6-25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>1320</u>	<u>.75</u>	<u>7.22</u>	<u>out of Range</u>	<u>17.2</u>		
<u>1326</u>	<u>1.5</u>	<u>7.09</u>	<u>↓</u>	<u>17.1</u>		
<u>1329</u>	<u>2.25</u>	<u>6.94</u>	<u>↓</u>	<u>16.7</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12/19/08 (inclusive)
 City: Oakland, CA Sampler: JH

Well ID: MW-8 Date Monitored: 12/19/08
 Well Diameter: 2 1/4 in. Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38
 Total Depth: 9.79 ft. Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80
 Depth to Water: 4.31 ft. Check if water column is less than 0.50 ft.
5.48 xVF .17 = .93 x3 case volume = Estimated Purge Volume: 2.79 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.40

Purge Equipment:
 Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1000 Weather Conditions: Cloudy
 Sample Time/Date: 1030 / 12/19/08 Water Color: Cloudy Odor: Y 10
 Approx. Flow Rate: _____ gpm. Sediment Description: light
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 5.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1003</u>	<u>1</u>	<u>7.35</u>	<u>out of range</u>	<u>16.2</u>		
<u>1008</u>	<u>2</u>	<u>7.20</u>	<u>↓</u>	<u>15.8</u>		
<u>1012</u>	<u>3</u>	<u>7.09</u>		<u>15.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: SH

Well ID: MW-9 Date Monitored: 12-19-08
 Well Diameter: 214 in.
 Total Depth: 9.97 ft.
 Depth to Water: 5.43 ft.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.34

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.
 xVF 1.17 = 0.77 x3 case volume = Estimated Purge Volume: 2.5 gal.

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1038 Weather Conditions: cloudy
 Sample Time/Date: 1110 112-19-07 Water Color: Grey Odor: Y/N
 Approx. Flow Rate: _____ gpm. Sediment Description: heavy
 Did well de-water? no If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 5.72

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - 25)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1042</u>	<u>1</u>	<u>7.43</u>	<u>Out of Range</u>	<u>17.3</u>		
<u>1046</u>	<u>2</u>	<u>7.46</u>		<u>17.5</u>		
<u>1051</u>	<u>25</u>	<u>7.43</u>		<u>17.6</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: SH

Well ID: MW-10 Date Monitored: 12-19-08
 Well Diameter: 2.4 in.
 Total Depth: 10.13 ft.
 Depth to Water: 3.54 ft. Check if water column is less than 0.50 ft.
6.59 xVF .17 = 1.12 x3 case volume = Estimated Purge Volume: 3.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.86

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1122 Weather Conditions: Cloudy
 Sample Time/Date: 1155 12-19-08 Water Color: Grey Odo: Y, N
 Approx. Flow Rate: _____ gpm. Sediment Description: heavy
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 4.12

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1126</u>	<u>1</u>	<u>7.71</u>	<u>out of range</u>	<u>16.3</u>		
<u>1129</u>	<u>2</u>	<u>7.64</u>	<u>↓</u>	<u>16.8</u>		
<u>1134</u>	<u>3.5</u>	<u>7.61</u>		<u>16.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>10</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: SH

Well ID: MW-11 Date Monitored: 12-19-08
 Well Diameter: 2 1/4 in.
 Total Depth: 10.01 ft.
 Depth to Water: 3.71 ft. Check if water column is less than 0.50 ft.
 $6.30 \times VF \ 1.17 = 1.07 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 3.5 \text{ gal.}$
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.97

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1211 Weather Conditions: Cloudy
 Sample Time/Date: 1230 / 12-19-08 Water Color: Gray Odor: Y/N Strong
 Approx. Flow Rate: - gpm. Sediment Description: Heavy
 Did well de-water? no If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 4.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1215</u>	<u>1</u>	<u>7.54</u>	<u>OUT OF RANGE</u>	<u>16.8</u>		
<u>1208</u>	<u>2</u>	<u>7.57</u>	<u>↓</u>	<u>16.9</u>		
<u>1213</u>	<u>3.5</u>	<u>7.47</u>		<u>17.0</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job Number: 25-948218.1
 Event Date: 12-19-08 (inclusive)
 Sampler: AW

Well ID: MW-12
 Well Diameter: 214 in.
 Total Depth: 9.85 ft.
 Depth to Water: 3.09 ft.

Date Monitored: 12-19-08

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.76 xVF .17 = 1.15 x3 case volume = Estimated Purge Volume: 3.5 gal.
4.44

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____
Product Transferred to:	_____

Start Time (purge): 1005
 Sample Time/Date: 1025 / 12-19-08
 Approx. Flow Rate: - gpm.
 Did well de-water? N If yes, Time: _____ Volume: _____ gal.

Weather Conditions: Cloudy
 Water Color: Cloudy Odor: Y100
 Sediment Description: Cloudy
 DTW @ Sampling: 4.37

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm @ 25°C)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1009</u>	<u>1.0</u>	<u>6.89</u>	<u>out of range</u>	<u>15.8</u>		
<u>1012</u>	<u>2.0</u>	<u>6.94</u>	<u>↓</u>	<u>16.0</u>		
<u>1016</u>	<u>3.5</u>	<u>6.98</u>		<u>16.0</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-12</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: AW

Well ID: ~~13~~ MW-13 Date Monitored: 12-19-08
 Well Diameter: 2 1/4 in.
 Total Depth: 9.52 ft.
 Depth to Water: 2.68 ft. Check if water column is less than 0.50 ft.
6.84 xVF .66 = 4.51 x3 case volume = Estimated Purge Volume: 14.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.05

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

- Disposable Bailer _____
- Stainless Steel Bailer _____
- Stack Pump
- Suction Pump _____
- Grundfos _____
- Peristaltic Pump _____
- QED Bladder Pump _____
- Other: _____

Sampling Equipment:

- Disposable Bailer
- Pressure Bailer _____
- Discrete Bailer _____
- Peristaltic Pump _____
- QED Bladder Pump _____
- Other: _____

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____ gal
Product Transferred to:	_____

Start Time (purge): 1215 Weather Conditions: Cloudy
 Sample Time/Date: 1250 / 12-19-08 Water Color: yellow Odor: Y 1/2
 Approx. Flow Rate: 1.0 gpm. Sediment Description: Clear
 Did well de-water? If yes, Time: 1219 Volume: ~6.0 gal. DTW @ Sampling: 4.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - 15)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1218</u>	<u>5.0</u>	<u>6.61</u>	<u>out of range</u>	<u>16.4</u>		
<u>1223</u>	<u>10.0</u>	<u>6.65</u>	<u>↓</u>	<u>17.0</u>		
<u>1236</u>	<u>14.0</u>	<u>6.68</u>		<u>17.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
13 <u>MW-13</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS: Allowed time for recovery

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job Number: 25-948218.1
 Event Date: 12-19-06 (inclusive)
 Sampler: AW

Well ID: MW-14 Date Monitored: 12-19-06
 Well Diameter: 2 1/4 in.
 Total Depth: 10.00 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water: 2.14 ft. Check if water column is less than 0.50 ft.
7.86 xVF 1.7 = 1.33 x3 case volume = Estimated Purge Volume: 4.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3.71

Purge Equipment:
 Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1045 Weather Conditions: Cloudy
 Sample Time/Date: 1112 / 12-19-06 Water Color: Dark Odor: Y 10
 Approx. Flow Rate: _____ gpm. Sediment Description: Cloudy
 Did well de-water? N If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 2.88

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm @ 25°C)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1050</u>	<u>1.5</u>	<u>7.42</u>	<u>Out of range</u>	<u>13.5</u>		
<u>1055</u>	<u>3.0</u>	<u>7.39</u>	<u>↓</u>	<u>14.2</u>		
<u>1100</u>	<u>4.0</u>	<u>7.37</u>	<u>↓</u>	<u>14.5</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-14</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job Number: 25-948218.1
 Event Date: 12-19-08 (inclusive)
 Sampler: AW

Well ID: MW-15 Date Monitored: 12-19-08
 Well Diameter: 2.4 in.
 Total Depth: 9.95 ft.
 Depth to Water: 4.67 ft. Check if water column is less than 0.50 ft.
5.28 xVF .17 = 0.89 x3 case volume = Estimated Purge Volume: 3.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.73

Purge Equipment:
 Disposable Bailer
 Stainless Steel Bailer
 Stack Pump
 Suction Pump
 Grundfos
 Peristaltic Pump
 QED Bladder Pump
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Peristaltic Pump
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0930 Weather Conditions: Cloudy
 Sample Time/Date: 0955 / 12-19-08 Water Color: Dark Odor: YIP
 Approx. Flow Rate: _____ gpm. Sediment Description: Moderate
 Did well de-water? N If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 5.72

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0934</u>	<u>1.0</u>	<u>6.80</u>	<u>Out of range</u>	<u>18.0</u>		
<u>0937</u>	<u>2.0</u>	<u>6.83</u>	<u>↓</u>	<u>18.2</u>		
<u>0940</u>	<u>3.0</u>	<u>6.83</u>		<u>18.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12-19-08 (inclusive)
 City: Oakland, CA Sampler: aw

Well ID: MW-17 Date Monitored: 12-19-08
 Well Diameter: 2.4 in. Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38
 Total Depth: 9.80 ft. Factor (VF) 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80
 Depth to Water: 2.24 ft. Check if water column is less than 0.50 ft.

7.56 xVF .17 = 1.28 x3 case volume = Estimated Purge Volume: 4.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3.75

Purge Equipment: Disposable Bailer
 Stainless Steel Bailer
 Stack Pump
 Suction Pump
 Grundfos
 Peristaltic Pump
 QED Bladder Pump
 Other: _____

Sampling Equipment: Disposable Bailer
 Pressure Bailer
 Discrete Bailer
 Peristaltic Pump
 QED Bladder Pump
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0900 Weather Conditions: Cloudy
 Sample Time/Date: 0920 / 12-19-08 Water Color: yellow tint Odor: DI N / Slight
 Approx. Flow Rate: _____ gpm. Sediment Description: Clear
 Did well de-water? If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 3.75

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm / µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0904</u>	<u>1.5</u>	<u>6.88</u>	<u>out of range</u>	<u>17.8</u>		
<u>0908</u>	<u>3.0</u>	<u>6.87</u>		<u>18.0</u>		
<u>0912</u>	<u>4.0</u>	<u>6.82</u>	<u>↓</u>	<u>18.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>7</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>KIFF</u>	<u>TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job Number: 25-948218.1
 Event Date: 12-19-08 (inclusive)
 Sampler: AW

Well ID: MW-18
 Well Diameter: (2) 4 in.
 Total Depth: 9.92 ft.
 Depth to Water: 3.30 ft.
6.62 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 12-19-08

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Purge Equipment:

- Disposable Bailer
- Stainless Steel Bailer _____
- Stack Pump _____
- Suction Pump _____
- Grundfos _____
- Peristaltic Pump _____
- QED Bladder Pump _____
- Other: _____

Sampling Equipment:

- Disposable Bailer _____
- Pressure Bailer _____
- Discrete Bailer _____
- Peristaltic Pump _____
- QED Bladder Pump _____
- Other: _____

Time Started:	<u>1300</u>	(2400 hrs)
Time Completed:	<u>1325</u>	(2400 hrs)
Depth to Product:	<u>2.94</u>	ft
Depth to Water:	<u>3.30</u>	ft
Hydrocarbon Thickness:	<u>0.36</u>	ft
Visual Confirmation/Description:	<u>Dark .oily</u>	
Skimmer / Absorbent Sock (circle one)	_____	
Amt Removed from Skimmer:	_____	gal
Amt Removed from Well:	<u>600ml</u>	gal
Water Removed:	<u>500ml</u>	gal
Product Transferred to:	<u>Drum on site</u>	

Start Time (purge): _____
 Sample Time/Date: /
 Approx. Flow Rate: _____ gpm.
 Did well de-water? _____ If yes, Time: _____

Weather Conditions: _____
 Water Color: _____ Odor: Y / N
 Sediment Description: _____
 Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS: _____

* SPH *

2 absorbant pads used

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test Job Number: 25-948218.1
 Site Address: 6701 Old Earhart Road Event Date: 12/19/08 (inclusive)
 City: Oakland, CA Sampler: JD

Well ID: ~~NDN~~ NPORDM.W-3 Date Monitored: 12/19/08
 Well Diameter: 21④ in.
 Total Depth: 16.38 ft.
 Depth to Water: 3.78 ft. Check if water column is less than 0.50 ft.
12.60 x VF .66 = 8.31 x3 case volume = Estimated Purge Volume: 241.94 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.30

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump X
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1050 Weather Conditions: cloudy
 Sample Time/Date: 1135 / 12/19/08 Water Color: clear Odor: Y16
 Approx. Flow Rate: 1 gpm. Sediment Description: 1-3 hr
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 5.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ⑤)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1058</u>	<u>8</u>	<u>7.23</u>	<u>at top line</u>	<u>16.7</u>		
<u>1106</u>	<u>16</u>	<u>7.17</u>	<u>↓</u>	<u>16.4</u>		
<u>1115</u>	<u>25</u>	<u>7.11</u>		<u>16.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>NDN NPORDM.W-3</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/ TPH-G/BTEX/MTBE/NAPHTHALENE(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN Inc.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Rolls Royce Engine Test
 Site Address: 6701 Old Earhart Road
 City: Oakland, CA

Job Number: 25-948218.1
 Event Date: 12/19/08 (inclusive)
 Sampler: JD

Well ID: ~~NPORD-4~~ NPORD-4
 Well Diameter: 2 1/4 in.
 Total Depth: 18.23 ft.
 Depth to Water: 6.15 ft.
12.08 xVF .17 = 2.05

Date Monitored: 12/19/08

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 6.16 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.56

Purge Equipment:

Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0920
 Sample Time/Date: 0945 / 12/19/08
 Approx. Flow Rate: — gpm.
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Weather Conditions: cloudy
 Water Color: cloudy Odor: Y 100
 Sediment Description: 1.0/1.5
 DTW @ Sampling: 7.83

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0926</u>	<u>2</u>	<u>6.99</u>	<u>out of range</u>	<u>14.2</u>		
<u>0932</u>	<u>4</u>	<u>6.84</u>	<u>"</u>	<u>14.0</u>		
<u>0938</u>	<u>6.25</u>	<u>6.76</u>	<u>"</u>	<u>13.9</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>NPORD-4</u>	<u>7</u> x voa vial	YES	HCL	KIFF	TPH-JET FUEL/TPH-MO/TPH-D w/sg(8015)/TPH-G/BTEX/MTBE/NAPHTHALENE(8260)
<u>NPORD-4</u>					

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



Report Number : 66615

Date : 02/05/2009

Geoffrey Risse
Gettler-Ryan Inc.
3140 Gold Camp Dr. Suite 170
Rancho Cordova, CA 95670

Subject : 19 Water Samples
Project Name : Rolls-Royce Engine Test Facility
Project Number : 25-948218.1

Dear Mr. Risse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **QA**

Matrix : Water

Lab Number : 66615-01

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/23/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/23/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	12/23/2008
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	12/23/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/29/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/29/2008
Octacosane (Silica Gel Surr)	106		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	89.6		% Recovery	M EPA 8015	12/29/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-1**

Matrix : Water

Lab Number : 66615-02

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/29/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/29/2008
Octacosane (Silica Gel Surr)	104		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	84.3		% Recovery	M EPA 8015	12/29/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-2**

Matrix : Water

Lab Number : 66615-03

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	94.8		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	81.7		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-3**

Matrix : Water

Lab Number : 66615-04

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	1.2	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	92.7		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	520	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	101		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	85.8		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-4**

Matrix : Water

Lab Number : 66615-05

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	98.1		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	96.7		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	440	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	106		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	91.7		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-5**

Matrix : Water

Lab Number : 66615-06

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	89.4		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	2100	50	ug/L	M EPA 8015	12/30/2008
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Jet Fuel	1900	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	4100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	104		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	90.8		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-6**

Matrix : Water

Lab Number : 66615-07

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	97.5		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	90.9		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	1500	50	ug/L	M EPA 8015	12/30/2008
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
TPH as Jet Fuel	1200	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	5500	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	97.1		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	94.5		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-7**

Matrix : Water

Lab Number : 66615-08

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	350	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	82.6		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	83.9		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-8**

Matrix : Water

Lab Number : 66615-09

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	160	50	ug/L	M EPA 8015	12/30/2008
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Jet Fuel	340	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	840	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	87.7		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	91.0		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-9**

Matrix : Water

Lab Number : 66615-10

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	93.4		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	4100	50	ug/L	M EPA 8015	12/30/2008
(Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)					
TPH as Jet Fuel	4000	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	8500	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	94.5		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-10**

Matrix : Water

Lab Number : 66615-11

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	94.1		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	1700	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	1900	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	1200	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	108		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	87.2		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-11**

Matrix : Water

Lab Number : 66615-12

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	12/27/2008
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	12/27/2008
4-Bromofluorobenzene (Surr)	98.0		% Recovery	EPA 8260B	12/27/2008
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	1500	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel (Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)	1800	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	3700	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	120		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-12**

Matrix : Water

Lab Number : 66615-13

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	95.0		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	102		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	90.8		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-13**

Matrix : Water

Lab Number : 66615-14

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.89	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	1.7	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	280	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	4.8	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	94.0		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	130	50	ug/L	M EPA 8015	12/30/2008
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel)					
TPH as Jet Fuel	1300	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	105		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	95.9		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-14**

Matrix : Water

Lab Number : 66615-15

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	1.2	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	92.3		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel) (Note: Hydrocarbons are higher-boiling than typical Diesel Fuel.)	480	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel (Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)	1200	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	2100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	107		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	90.7		% Recovery	M EPA 8015	12/30/2008

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-15**

Matrix : Water

Lab Number : 66615-16

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	91.8		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	119		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	84.7		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **MW-17**

Matrix : Water

Lab Number : 66615-17

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	99.7		% Recovery	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	93.5		% Recovery	EPA 8260B	12/24/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	54	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	122		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	76.3		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **NPORD MW-3**

Matrix : Water

Lab Number : 66615-18

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
1,2-Dichloroethane-d4 (Surr)	96.5		% Recovery	EPA 8260B	12/27/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/27/2008
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	12/27/2008
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	84.2		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	89.6		% Recovery	M EPA 8015	12/30/2008



Report Number : 66615

Date : 02/05/2009

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

Sample : **NPORD MW-4**

Matrix : Water

Lab Number : 66615-19

Sample Date :12/19/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	12/27/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	12/27/2008
4-Bromofluorobenzene (Surr)	91.1		% Recovery	EPA 8260B	12/27/2008
TPH as Diesel (Silica Gel)	320	50	ug/L	M EPA 8015	12/30/2008
(Note: Some hydrocarbons lower-boiling, some higher-boiling than Diesel.)					
TPH as Jet Fuel	1400	50	ug/L	M EPA 8015	12/30/2008
(Note: Higher boiling hydrocarbons present, atypical for Jet Fuel)					
TPH as Motor Oil	640	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Silica Gel Surr)	93.8		% Recovery	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	91.2		% Recovery	M EPA 8015	12/30/2008

Report Number : 66615

Date : 02/05/2009

QC Report : Method Blank DataProject Name : **Rolls-Royce Engine Test Facility**Project Number : **25-948218.1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	12/29/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/29/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/29/2008
Octacosane (Diesel Surrogate)	80.8		%	M EPA 8015	12/29/2008
Octacosane (Silica Gel Surr)	87.1		%	M EPA 8015	12/29/2008
TPH as Jet Fuel	< 50	50	ug/L	M EPA 8015	12/30/2008
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	12/30/2008
Octacosane (Diesel Surrogate)	81.7		%	M EPA 8015	12/30/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/23/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/23/2008
1,2-Dichloroethane-d4 (Surr)	99.6		%	EPA 8260B	12/23/2008
4-Bromofluorobenzene (Surr)	97.0		%	EPA 8260B	12/23/2008
Toluene - d8 (Surr)	99.5		%	EPA 8260B	12/23/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/24/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/24/2008
1,2-Dichloroethane-d4 (Surr)	98.0		%	EPA 8260B	12/24/2008
4-Bromofluorobenzene (Surr)	92.2		%	EPA 8260B	12/24/2008
Toluene - d8 (Surr)	100		%	EPA 8260B	12/24/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
1,2-Dichloroethane-d4 (Surr)	98.0		%	EPA 8260B	12/27/2008
4-Bromofluorobenzene (Surr)	91.3		%	EPA 8260B	12/27/2008
Toluene - d8 (Surr)	99.8		%	EPA 8260B	12/27/2008

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 66615

Date : 02/05/2009

QC Report : Method Blank Data

Project Name : **Rolls-Royce Engine Test Facility**

Project Number : **25-948218.1**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2008
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2008
1,2-Dichloroethane-d4 (Surr)	95.6		%	EPA 8260B	12/27/2008
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	12/27/2008
Toluene - d8 (Surr)	103		%	EPA 8260B	12/27/2008

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **Rolls-Royce Engine Test Facility**Project Number : **25-948218.1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH-D (Si Gel)	BLANK	<50	1000	1000	878	814	ug/L	M EPA 8015	12/29/08	87.8	81.4	7.52	70-130	25
TPH as Diesel	BLANK	<50	1000	1000	925	895	ug/L	M EPA 8015	12/29/08	92.5	89.5	3.25	70-130	25
TPH as Diesel	BLANK	<100	1000	1000	990	1020	ug/L	M EPA 8015	12/30/08	99.0	102	2.60	70-130	25
Benzene	66615-02	<0.50	38.7	39.0	36.5	36.7	ug/L	EPA 8260B	12/24/08	94.2	94.0	0.222	70-130	25
Methyl-t-butyl ether	66615-02	<0.50	39.0	39.3	39.4	41.8	ug/L	EPA 8260B	12/24/08	101	106	5.09	70-130	25
Toluene	66615-02	<0.50	39.5	39.8	38.4	38.5	ug/L	EPA 8260B	12/24/08	97.2	96.6	0.590	70-130	25
Benzene	66650-09	<0.50	39.3	39.3	35.1	35.1	ug/L	EPA 8260B	12/24/08	89.3	89.3	0.0540	70-130	25
Methyl-t-butyl ether	66650-09	<0.50	39.6	39.6	41.1	41.8	ug/L	EPA 8260B	12/24/08	104	106	1.78	70-130	25
Toluene	66650-09	<0.50	40.1	40.1	37.8	37.4	ug/L	EPA 8260B	12/24/08	94.1	93.2	0.933	70-130	25
Benzene	66653-04	<0.50	39.3	39.3	37.1	36.9	ug/L	EPA 8260B	12/27/08	94.2	93.8	0.396	70-130	25
Methyl-t-butyl ether	66653-04	<0.50	39.6	39.6	42.0	41.3	ug/L	EPA 8260B	12/27/08	106	104	1.60	70-130	25
Toluene	66653-04	<0.50	40.1	40.1	37.4	36.9	ug/L	EPA 8260B	12/27/08	93.3	91.9	1.54	70-130	25
Benzene	66653-02	<0.50	39.3	39.3	38.4	37.6	ug/L	EPA 8260B	12/27/08	97.5	95.5	2.15	70-130	25
Methyl-t-butyl ether	66653-02	<0.50	39.6	39.6	33.3	33.8	ug/L	EPA 8260B	12/27/08	84.2	85.4	1.44	70-130	25
Toluene	66653-02	<0.50	40.1	40.1	43.6	42.8	ug/L	EPA 8260B	12/27/08	109	107	1.87	70-130	25

QC Report : Laboratory Control Sample (LCS)Project Name : **Rolls-Royce Engine Test Facility**Project Number : **25-948218.1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.3	ug/L	EPA 8260B	12/23/08	93.7	70-130
Methyl-t-butyl ether	39.6	ug/L	EPA 8260B	12/23/08	102	70-130
Toluene	40.1	ug/L	EPA 8260B	12/23/08	97.5	70-130
Benzene	39.9	ug/L	EPA 8260B	12/24/08	94.3	70-130
Methyl-t-butyl ether	39.5	ug/L	EPA 8260B	12/24/08	102	70-130
Toluene	39.9	ug/L	EPA 8260B	12/24/08	98.3	70-130
Benzene	39.9	ug/L	EPA 8260B	12/27/08	88.0	70-130
Methyl-t-butyl ether	39.5	ug/L	EPA 8260B	12/27/08	93.3	70-130
Toluene	39.9	ug/L	EPA 8260B	12/27/08	91.4	70-130
Benzene	39.8	ug/L	EPA 8260B	12/27/08	100	70-130
Methyl-t-butyl ether	39.4	ug/L	EPA 8260B	12/27/08	87.3	70-130
Toluene	39.8	ug/L	EPA 8260B	12/27/08	109	70-130

Yes
 No

66619

Chain-of-Custody-Record

Direct Bill To:
Geoffrey Risse
Gettler-Ryan Inc.
3140 Gold Camp Dr.
Rancho Cordova, CA
95670

Facility Rolls-Royce Engine Test Facility
Facility Address: 6701 Old Earhart Road, Oakland, CA
Consultant Project #: 25-948218.1
Consultant Name: GETTLER-RYAN INC.
Address: 3140 Gold Camp Dr., Suite 170, Rancho Cordova, CA 95670
Project Contact: (Name) Geoffrey Risse e-mail grisse@grinc.com
(Phone) 916-631-1300x12 (Fax) 916-631-1317

(Name) Geoffrey Risse
(Phone) 916-631-1300x12
Laboratory Name: Kiff Analytical
Laboratory Service Order: _____
Laboratory Service Code: _____
Samples Collected by: (Name) Jim Heron
Signature: _____

Sample I.D.	Number of Containers	MATRIX S= Soil A=Air W=Water C=Charcoal	DATE/SAMPLE COLLECTION TIME	State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW										Series	<input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> ID	Remarks	
				TPH-Jet A Fuel (8015) (HCL)	TPH-MO (8015) (HCL)	TPH-D with Silica Gel Cleanup (8015) (HCL)	TPH-G/BTEX/MTBE/Naphthalene (8260) (HCL)	TPH-Jet A Fuel (8015) (NP)	TPH-MO (8015) (NP)	TPH-D with Silica Gel Cleanup (8015) (NP)	TPH-G/BTEX/MTBE/Naphthalene (8260) (NP)						
QA	2	W	12/18/08	X	X	X	X										10F2
MW-1	7		1020	X	X	X	X										01
MW-2			1330	X	X	X	X										02
MW-3			1155	X	X	X	X										03
MW-4			1300	X	X	X	X										04
MW-5			0945	X	X	X	X										05
MW-6			1220	X	X	X	X										06
MW-7			1345	X	X	X	X										07
MW-8			1030	X	X	X	X										08
MW-9			1110	X	X	X	X										09
MW-10			1155	X	X	X	X										10
MW-11			1230	X	X	X	X										11
MW-12			1025	X	X	X	X										12
MW-13			1250	X	X	X	X										13
				X	X	X	X										14

SAMPLE RECEIPT
Temp °C 8.2 Therm. ID# 2R-1
Initial LJR Date 122208
Time 1719 Coolant present Yes/No

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc</u>	Date/Time <u>12/18/08</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc</u>	Date/Time <u>12-22-08 1145</u>	Iced (Y/N)	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>G-R Inc</u>	Date/Time <u>12-22-08 1145</u>	Received By (Signature) _____	Organization	Date/Time	Iced (Y/N)	
Relinquished By (Signature) _____	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>	Kiff Analytical	Date/Time <u>122208 1145</u>	Iced (Y/N)	

66615

Yes
 No

Chain-of-Custody-Record

Direct Bill To: Geoffrey Risse Gettler-Ryan Inc. 3140 Gold Camp Dr. Rancho Cordova, CA 95670	Facility: <u>Rolls-Royce Engine Test Facility</u> Facility Address: <u>6701 Old Earhart Road, Oakland, CA</u> Consultant Project #: <u>25-948218.1</u> Consultant Name: <u>GETTLER-RYAN INC.</u> Address: <u>3140 Gold Camp Dr., Suite 170, Rancho Cordova, CA 95670</u> Project Contact: (Name) <u>Geoffrey Risse</u> e-mail <u>grisse@grinc.com</u> (Phone) <u>916-631-1300x12</u> (Fax) <u>916-631-1317</u>	(Name) <u>Geoffrey Risse</u> (Phone) <u>916-631-1300x12</u> Laboratory Name: <u>Kiff Analytical</u> Laboratory Service Order: _____ Laboratory Service Code: _____ Samples Collected by: (Name) <u>Jim Hezen</u> Signature: _____
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Sample I.D.	Number of Containers	Matrix S=Soil A=Air W=Water C=Charcoal	DATE/SAMPLE COLLECTION TIME	State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW										Series	<input type="checkbox"/> CO	<input type="checkbox"/> UT	<input type="checkbox"/> ID	Remarks
				TPH-Jet A Fuel (8015) (HCL)	TPH-MO (8015) (HCL)	TPH-D with Silica Gel Cleanup (8015) (HCL)	TPH-G/BTEX/MTBE/Naphthalene (8260) (HCL)	TPH-Jet A Fuel (8015) (NP)	TPH-MO (8015) (NP)	TPH-D with Silica Gel Cleanup (8015) (NP)	TPH-G/BTEX/MTBE/Naphthalene (8260) (NP)							
MW-14	7	W	12/15/08 1112	X	X	X	X									20P2		
MW-15			0955	X	X	X	X									15		
MW-17			0920	X	X	X	X									16		
N Pond MW-3			1135	X	X	X	X									17		
N Pond MW-4			0945	X	X	X	X									18		
																19		

Relinquished By (Signature) 	Organization G.R.M.	Date/Time 12/15/08	Received By (Signature) 	Organization G.R.M.C.	Date/Time 12-22-08	Iced (Y/N) 1175	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) 	Organization G.R.M.C.	Date/Time 12-22-08	Received By (Signature) _____	Organization _____	Date/Time _____	Iced (Y/N) _____	
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) 	Organization Kiff Analytical	Date/Time 122208 1145	Iced (Y/N) _____	