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June 21, 2010

Mr. David Goodell
Aurora Smith Road Ventures, LLC
P.O. Box 609
Del Mar, California 92014

Re: Phase II Environmental Site Assessment
11380 Smith Road, Aurora, Colorado

Dear Mr. Goodell:

Sundance Environmental Consultants, Inc. is reporting the results of six soil test hand auger borings and two groundwater monitoring wells installed in 2009 at the above-referenced property. This property has been used for the extrusion and fabrication of magnesium forms from 1969 through 2009. The location of this property is shown on the attached Figure 1. The most recent operator was Timminco Corporation and previous operators include Dow Chemical Corporation. The primary contaminant was expected to be oil from the hydraulically-driven extrusion presses. Small amounts of cleaning solvents are known to have been used for equipment maintenance and laboratory work in previous decades.

A Phase I Environmental Site Assessment was prepared by Sundance dated October 12, 2009. The Phase I report summarizes previous soil and groundwater testing performed in the past by others, which detected some oils and traces of solvents in various portions of the facility. The purpose of these new borings was to test for shallow soil contamination immediately below joints and cracks in concrete where moderate to heavy surficial oil staining was observed. The purpose of the groundwater monitoring wells was to test groundwater immediately downgradient of areas of observed oil staining and detections of oils and other chemicals. Testing of the oily concrete itself was not performed during this effort.

Field Methods and Observations – Hand Auger Soil Borings
The hand auger boring locations are presented on the site map of Figure 2. Table 1 provides the rationale for each test location, as well as field observations and a summary of results. A photographic log of several representative test areas is also attached. The hand auger borings were advanced on September 23, 2009 by hand auger to 4-8 feet or until auger refusal. Soil conditions generally consisted of sands with varying amount of silts and clays, and the concrete was generally 6 inches thick where cored. Groundwater was not encountered in any of the hand auger borings.

The following field methods were employed in this sample collection effort:

- The public subsurface utilities were cleared prior to performing the work, and each test location in concrete was cored in order to admit the hand auger;

- A clean, stainless steel hand auger was used to collect the soil samples from beneath the concrete. The hand auger was decontaminated between borings with Simple Green cleaner and tap water;
- Our field geologist classified the soil samples collected from the borings and used a photo-ionization detector (PID) to measure the relative concentrations of volatile organic vapors in a sub-sample from each interval;
- The intervals to be analyzed by a laboratory were selected based on observations of staining or odors, and PID readings which ranged from 0.0 to 6.8 parts per million; and
- The soil samples were quickly packed into laboratory-supplied glass jars and stored in an ice-filled, insulated cooler. The soil samples were transported under chain-of-custody to Environmental Science Corp. (ESC) in Mt. Juliet, Tennessee for analysis.

The shallowest sample intervals were each analyzed for volatile organic compounds (VOCs) using EPA Method 8260B, and for a range of extractable petroleum hydrocarbons by Method OA2. These two analytes were selected because of the obvious oil spillage at the facility, and because some VOCs had been detected here in the past. Deeper sample intervals were also analyzed for petroleum hydrocarbons if the shallow interval had indicated staining or odors.

Upon receipt of the initial laboratory results, samples with some of the highest detections of oils and/or VOCs were then analyzed for target analyte list (TAL) metals plus magnesium or the RCRA-8 metals plus magnesium by methods 7471 and 6010B, polynuclear aromatic hydrocarbons (PAHs) by method 8270C, and polychlorinated biphenyls (PCBs) by method 8082. PAHs are not known to have been used at this facility, but have the potential to be associated with used oil. An analysis for PCBs was included because they have sometimes used as stabilizers in oils, electrical transformers are in use at the property, and a historic PCB spill has been reported by others. However, PCB testing was not performed previously by others. Heavy metals have not been detected at excessive levels in the past, but were included here to rule out the potential for metals contamination from the oils.

Field Methods and Observations – Groundwater Wells

The groundwater well locations are presented on Figures 2, 3 and 4. The rationale for the locations of these wells is discussed on Table 1 along with a summary of observations. The borings for the wells were advanced on December 17, 2009 by a direct-push drill rig until bedrock was encountered. The soils were continuously sampled to just below the water table. No staining or odors were noted in the soil samples, including those near the ground surface and those at the water table. The soils observed were generally sands with varying amount of silts and clays. Groundwater was encountered at depths of 20 to 24 ft, and bedrock was encountered at 26 to 38 ft, with depths increasing to the north.

Our field geologist classified the soil samples collected from the borings and used a PID to measure the relative concentrations of volatile organic vapors in a sub-sample from each interval. Since there was no indication of significant contamination, a soil sample interval was targeted from the zone just above the water table. The soil samples were transported under chain-of-custody protocol to Environmental Science Corp. (ESC) in Mt. Juliet, Tennessee for analysis.

Each soil sample was analyzed for VOCs by method 8260B and for a range of extractable petroleum hydrocarbons by method OA2.

Each of the wells was completed into bedrock with 1-inch diameter PVC well screen to above the water table and 1-inch PVC blank pipe to the ground surface. A locking cap and a metal well cover were installed to create a permanent well completion. The boring logs and well completion diagrams for each well are attached to this report. The wells were each developed by surging the wells and removing the development water with bailers and a peristaltic pump. The wellheads were surveyed for relative elevation for subsequent use in water table mapping.

A groundwater sample was collected from each well on December 28, 2009, which allowed the groundwater conditions 11 days to stabilize after well installation and development. Purging and sampling were accomplished with the peristaltic pump and disposable polyethylene bailers. No odors or sheen were noted on the purge water. Each groundwater sample was analyzed for VOCs by method 8260B, extractable range petroleum hydrocarbons by method OA2, and PCBs by method 8082 at the ESC laboratory in Tennessee.

Table 5 presents the depth-to-water and relative groundwater elevation results collected at that time. A groundwater elevation map is presented as Figure 3. The groundwater flow direction is toward the northwest, with the water table dipping 0.014 ft/ft. This flow direction is consistent with that previously determined by others.

Laboratory Results and Comparison to Screening Levels - Soils

The laboratory results for the soil analyses are listed on Tables 2, 3 and 4. The key results and detections of organic compounds are presented on the soil sample location map of Figure 2. Laboratory evidence of shallow soil contamination was observed in 5 of the 8 hand auger/direct push borings installed. This contamination primarily consists of petroleum hydrocarbons in the motor oil range. This includes the hand auger borings by the former Otis Elevator shop, adjacent to the decommissioned 4,200 ton press pit, and in the fabrication room. No impacts were detected in the soils from the direct push borings. Copies of the laboratory data sheets are attached to this report.

Regulatory screening values are listed on the data tables for the detected compounds. Although there is no State-wide cleanup standard for total petroleum hydrocarbons (TPH, or oils) in soil, a screening level of 500 mg/kg has been established by the Division of Oil and Public Safety for defining the extent of TPH from fuel releases.

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (HMWMD) has established Colorado Soil Evaluation Values (CSEVs) for most of the other compounds detected in these borings. The CSEVs for a worker, who may occasionally contact site soils, are proposed for screening the results at this site. The CSEVs for groundwater protection levels (GPLs) are also provided for comparison. In reality, typical site workers would not come in contact with these compounds because all exceedances were detected in soils from beneath concrete slabs. Similarly, the indoor concrete surfaces will minimize the

vertical migration of the contaminants to groundwater that might have otherwise occurred due to direct precipitation outdoors.

In summary, oil detections ranged from 390 milligrams per kilogram (mg/kg) to 16,000 mg/kg [HA-04@14"], exceeding the 500 mg/kg screening level in 4 hand auger borings, as shown on Table 2. Oil was generally detected only in the shallow interval tested, at depths of less than 2 feet. However, sample HA-02 by the 4200 ton press displayed an oil concentration of 7800 mg/kg at 4 ft.

Several chlorinated solvents were detected as shown on Table 2, but the maximum concentration of the most toxic VOCs detected were in HA-04@14" only at 1/3 of the CSEVs [tetrachloroethene or PCE at 0.35 mg/kg, and trichloroethene at 0.09 mg/kg]. No PAHs were detected above the CSEVs, as shown on Table 3, although the laboratory detection limits for certain PAHs are above the screening levels because of difficulties of determining their concentrations in the very oily soil matrix. Metals were detected in every sample, but no metals were detected above the CSEVs, as shown on Table 4.

PCBs were detected in one of two test locations on the 11380 property, HA-04@14", at a concentration of 2.1 mg/kg, which is three times higher than their CSEV of 0.74 mg/kg shown on Table 3. Importantly, this is below the EPA action level of 50 mg/kg, at which point the PCB-contaminated soils would need to be managed under the Toxic Substances Control Act, and require disposal as hazardous waste if excavated.

Laboratory Results and Comparison to Screening Levels - Groundwater

The groundwater sample results are listed on Table 6, and are also summarized on Figure 4. In groundwater, the only VOC detected was 1,1,1-trichloroethane in SMW-02, at a concentration of 0.0093 milligrams per liter (mg/l). Laboratory data sheets are attached to this report. The Colorado Department of Public Health and Environment (CDPHE) has promulgated Regulation No. 41, The Basic Standards for Ground Water, effective 11/30/09. These groundwater standards are listed on Table 6 along with the sample results. The 1,1,1-trichloroethane detection is less than one twentieth of the groundwater standard of 0.2 mg/l. This VOC detection in SMW-02 is consistent with the very low levels of chlorinated solvents detected by others in wells along the property boundary. At the 11380 property, no oils or PCBs were detected in the groundwater.

Conclusions and Recommendations

This assessment work has defined the nature of contamination in the shallow soils below cracks in the concrete surfaces in obvious oil spill areas at the property, plus groundwater at two locations. This 11380 property does not display significant groundwater contamination issues. The greatest impacts primarily consist of oils in shallow soils with percent-range concentrations. Some low concentrations of solvents were detected below levels requiring action. PCBs were detected above their screening level in shallow soils at one location on this property. Metals and PAHs do not appear to be a significant fraction of the contamination. Based on these site testing results, most of the residual environmental impacts may be able to be managed in place as-is

once regulatory approvals are secured. It is important to note that additional oil, solvent, and PCB impacts may be present in other oil spill locations not tested by these borings.

We understand that the 11380 Smith Road property may be re-finished in the near future for a new user, and that some concrete removal and replacement will be required. Based on this land use scenario and the site testing results reported above, Sundance is providing these recommendations to manage the residual environmental impacts detected on the 11380 property:

1. Perform wipe testing of any oily concrete that is to be cleaned or removed, to confirm a lack of residual PCB compounds in the concrete, so that it may be recycled or otherwise disposed appropriately;

2. Verify the concentrations of oils, VOCs and PCBs in any stained soil encountered beneath the concrete in the areas such as the former Otis Elevator area, the 4200 ton press pit, and the fabrication room;

3. Submit a site management plan to CDPHE and/or EPA for review before this testing is completed, such as with a Voluntary Clean-Up Plan, and request a No Further Action Determination for the property once the final assessment and floor re-finishing work is complete.

Earning the regulators' approval for any management and land reuse plan will be very important for justifying a No Further Action request for these residual soil impacts.

Please contact us at (303) 699-7870 with any questions regarding the project activities.

Sincerely,
SUNDANCE ENVIRONMENTAL CONSULTANTS, INC.

Alex Becker IV, P.G.
Project Geologist

Robin M. Fryberger, P.E
Project Manager

Attachments

cc: File

Table 1 - Sample Location Rationale

11380 Smith Road, Aurora, Colorado

Boring ID	Location	Purpose/Rationale	Observations of soil cuttings	Results Summary for Organics
HA-01	Former Otis Shop (interior)	accumulation of black oil and grease on cracks in concrete floor	sandy, degraded oil odor and some staining observed from 6" to 4', very stong odor at 1' to 2', no staining or odor at total depth of 8'	18": oil = 7,500 mg/kg, trace VOCs 4' : no oil detected
HA-02	Concrete floor adjacent to middle of abandoned 4,200 ton press pit (interior)	accumulation of oil and staining on cracks in concrete floor	sandy, slight oil odor at 18" to 2', strong oil odor and some staining at 4', met auger refusal at 4'	18": oil = 3,000 mg/kg, no VOCs 4' : oil = 7,800 mg/kg
HA-03	Concrete floor adjacent to north end of abandoned 4,200 ton press pit (interior)	accumulation of oil and staining on cracks in concrete floor	sandy, strong oil odor and staining from beneath concrete slab at 6" to refusal depth of 22"	18": oil = 9,400 mg/kg, trace VOCs, no PCBs or PAHS detected
HA-04	Concrete floor adjacent to machine pad in fabrication room (interior)	accumulation of oil and staining on cracks in concrete floor	slight oil odor and staining from beneath concrete slab at 6" to refusal depth of 14"	14": oil = 16,000 mg/kg, low VOCs, PCBs = 2.1 mg/kg, no PAHs detected
HA-05	Concrete western staging area in yard (exterior)	oil staining and concrete cracking	sandy, slight oil staining and odor from beneath concrete to 2', no staining or odor at total depth of 6'	18": no oil or VOCs detected 4': no oil detected
HA-06	Concrete western staging area in yard (exterior)	oil staining and concrete cracking	sandy, oil staining and slight odor from beneath concrete to 2', no staining or odor at total depth of 6'	10": oil = 390 mg/kg, no VOCs 4': no oil detected
SMW-02	Immediately downgradient of the Otis Elevator/machine shop area (exterior)	Downgradient of area of significant oil staining was observed and some solvents usage is assumed	sandy clay to 7', then sandy down to weathered claystone bedrock at 26'; no staining or odors noted to total depth of 28'	20': No detections of VOCs or oil in soil GW: Trace of 1,1,1-TCA detected at 0.0093 mg/l; no oil or PCB detected
SMW-03	Downgradient of fabrication shop (exterior)	Downgradient of area where highest oil concentrations and some PCBs were detected	sandy clay to 12', then sandy to 25 ', 1' clay layer to 26', wet sand down to weathered claystone bedrock at 38.5'; no staining or odors noted at any interval	25.5': No detections of VOCs or oil in soil GW: no oil, VOCs or PCBs detected

Notes
mg/kg = milligrams per kilogram
ND = not detected at the analytical detection limit
Metals were detected in every sample, below screening levels, see Table 4

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Table 2 - Petroleum Hydrocarbons and VOCs in Soil, page 1 of 2

11380 Smith Road, Aurora, Colorado

Sample ID			HA01 18IN	HA01 4FT	HA02 18IN	HA02 4FT	HA03 18IN	HA04 14IN	HA05 18IN	HA05 4FT	**Regulatory Screening Values**	
Collect Date			9/23/2009	9/23/2009	9/23/2009	9/23/2009	9/23/2009	9/23/2009	9/23/2009	9/23/2009		
Method	**Parameter**	**Units**	**Value**	**Value**	**Value**	**Value**	**Value**	**Value**	**Value**	**Value**		
	Petroleum Hydrocarbons										**OPS**	
8260B	TPH (GC/MS) Low Fraction	mg/kg	<2.5		<2.5		<2.5	<2.5	<2.5		500	
OA2	Mineral Spirits	mg/kg	<4.0	<4.0	<4.0	<4.0	<80	<80	<4.0	<4.0	500	
OA2	Kerosene (C9-C16)	mg/kg	<4.0	<4.0	<4.0	<4.0	<80	<80	<4.0	<4.0	500	
OA2	Diesel range (C7-C26)	mg/kg	94	52	46	120	110	330	<4.0	<4.0	500	
OA2	#6 Fuel Oil (C10-C32)	mg/kg	<4.0	<4.0	<4.0	<4.0	<80	<80	<4.0	<4.0	500	
OA2	Hydraulic Fluid (C12-C33)	mg/kg	<4.0	<4.0	<4.0	<4.0	<80	<80	<4.0	<4.0	500	
OA2	Motor Oil (C16-C40)	mg/kg	**7500**	<200	**3000**	**7800**	**9400**	**16000**	<10	<10	**500**	
	Volatile Organic Compounds										**CSEV - worker**	**CSEV - GPL**
8260B	Acetone	mg/kg	<0.25		<0.25		<0.25	<0.25	<0.25		1000	NA
8260B	Benzene	mg/kg	<0.0050		<0.0050		<0.0050	<0.0050	<0.0050		2.3	0.17
8260B	cis-1,2-Dichloroethene	mg/kg	<0.0050		<0.0050		<0.0050	<0.0050	<0.0050		170	1.3
8260B	Ethylbenzene	mg/kg	<0.0050		<0.0050		<0.0050	<0.0050	<0.0050		1000	100
8260B	Naphthalene	mg/kg	<0.025		<0.025		<0.025	<0.025	<0.025		1000	23
8260B	Tetrachloroethene	mg/kg	0.017		<0.0050		<0.0050	0.35	<0.0050		1.3	1.9
8260B	Toluene	mg/kg	<0.025		<0.025		<0.025	<0.025	<0.025		1000	85
8260B	1,1,1-Trichloroethane	mg/kg	0.073		<0.0050		0.0061	0.013	<0.0050		1000	62
8260B	Trichloroethene	mg/kg	0.0057		<0.0050		0.022	0.029	<0.0050		0.09	0.68
8260B	1,2,4-Trimethylbenzene	mg/kg	0.0052		<0.0050		<0.0050	<0.0050	<0.0050		85	71
8260B	1,2,3-Trimethylbenzene	mg/kg	0.0058		<0.0050		<0.0050	<0.0050	<0.0050		NA	NA
8260B	Xylenes, Total	mg/kg	<0.015		<0.015		<0.015	<0.015	<0.015		1000	175
	All other VOCs - Not Detected											

Notes

mg/kg - milligrams per kilogram, parts per million

< - analyte not detected at the laboratory practical quantitation limit

shaded cells indicate detections, bold values indicate exceedance of screening levels

OPS - Division of Oil and Public Safety screening levels for total petroleum hydrocarbons

CSEV - Colorado Soil Evaluation Values, for worker who may occasionally contact soils, CDPHE Hazardous Materials and Waste Mgmt Division, December 2007

GPL - groundwater protection level, from CSEVs

Sundance Environmental Consultants, Inc.

Table 2 - Petroleum Hydrocarbons and VOCs in Soil, page 2 of 2

11380 Smith Road, Aurora, Colorado

Sample ID			HA06 10IN	HA06 4FT	SMW-02 20-21FT	SMW-03 25.5-26.5FT	**Regulatory Screening Values**	
Collect Date			9/23/2009	9/23/2009	12/17/2009	12/17/2009		
Method	**Parameter**	**Units**	**Value**	**Value**	**Value**	**Value**		
	Petroleum Hydrocarbons						**OPS**	
8260B	TPH (GC/MS) Low Fraction	mg/kg	<2.5				500	
OA2	Mineral Spirits	mg/kg	<4.0	<4.0	<4.0	<4.0	500	
OA2	Kerosene (C9-C16)	mg/kg	<4.0	<4.0	<4.0	<4.0	500	
OA2	Diesel range (C7-C26)	mg/kg	30	<4.0	<4.0	<4.0	500	
OA2	#6 Fuel Oil (C10-C32)	mg/kg	<4.0	<4.0	<4.0	<4.0	500	
OA2	Hydraulic Fluid (C12-C33)	mg/kg	<4.0	<4.0	<4.0	<4.0	500	
OA2	Motor Oil (C16-C40)	mg/kg	390	<10	<10	<10	**500**	
	Volatile Organic Compounds						**CSEV - worker**	**CSEV - GPL**
8260B	Acetone	mg/kg	<0.25		<0.25	<0.25	1000	NA
8260B	Benzene	mg/kg	<0.0050		<0.0050	<0.0050	2.3	0.17
8260B	cis-1,2-Dichloroethene	mg/kg	<0.0050		<0.0050	<0.0050	170	1.3
8260B	Ethylbenzene	mg/kg	<0.0050		<0.0050	<0.0050	1000	100
8260B	Naphthalene	mg/kg	<0.025		<0.025	<0.025	1000	23
8260B	Tetrachloroethene	mg/kg	<0.0050		<0.0050	<0.0050	1.3	1.9
8260B	Toluene	mg/kg	<0.025		<0.025	<0.025	1000	85
8260B	1,1,1-Trichloroethane	mg/kg	<0.0050		<0.0050	<0.0050	1000	62
8260B	Trichloroethene	mg/kg	<0.0050		<0.0050	<0.0050	0.09	0.68
8260B	1,2,4-Trimethylbenzene	mg/kg	<0.0050		<0.0050	<0.0050	85	71
8260B	1,2,3-Trimethylbenzene	mg/kg	<0.0050		<0.0050	<0.0050	NA	NA
8260B	Xylenes, Total	mg/kg	<0.015		<0.015	<0.015	1000	175
	All other VOCs - Not Detected							

Notes

mg/kg - milligrams per kilogram, parts per million

< - analyte not detected at the laboratory practical quantitation limit

shaded cells indicate detections, bold values indicate exceedance of screening levels

OPS - Division of Oil and Public Safety screening levels for total petroleum hydrocarbons

CSEV - Colorado Soil Evaluation Values, for worker who may occasionally contact soils, CDPHE Hazardous Materials and Waste Mgmt Division, December 2007

GPL - groundwater protection level, from CSEVs

Sundance Environmental Consultants, Inc.

Table 3 - PAHs and PCBs in Soil

11380 Smith Road, Aurora, Colorado

Sample ID			HA03 18IN	HA04 14IN	**Regulatory Screening Levels**	
Collect Date			9/23/2009	9/23/2009		
Method	**Parameter**	**Units**	**Value**	**Value**		
	PAHs				**CSEV - worker**	**CSEV - GPL**
8270C	Anthracene	mg/kg	<0.033	<0.66	NA	NA
8270C	Acenaphthene	mg/kg	<0.033	<0.033	NA	NA
8270C	Acenaphthylene	mg/kg	<0.033	<0.033	NA	NA
8270C	Benzo(a)anthracene	mg/kg	<0.033	<0.66	3.9	1000
8270C	Benzo(a)pyrene	mg/kg	**<0.66**	**<0.66**	**0.39**	1000
8270C	Benzo(b)fluoranthene	mg/kg	<0.66	<0.66	3.9	1000
8270C	Benzo(g,h,i)perylene	mg/kg	<0.66	<0.66	NA	NA
8270C	Benzo(k)fluoranthene	mg/kg	<0.66	<0.66	39	1000
8270C	Chrysene	mg/kg	<0.033	<0.66	390	1000
8270C	Dibenz(a,h)anthracene	mg/kg	**<0.66**	**<0.66**	**0.39**	1000
8270C	Fluoranthene	mg/kg	<0.033	<0.66	1,000	1,000
8270C	Fluorene	mg/kg	<0.033	<0.033	NA	NA
8270C	Indeno(1,2,3-cd)pyrene	mg/kg	<0.66	<0.66	3.9	1,000
8270C	Naphthalene	mg/kg	<0.033	<0.033	1,000	23
8270C	Phenanthrene	mg/kg	<0.033	<0.66	NA	NA
8270C	Pyrene	mg/kg	<0.033	<0.66	1,000	1,000
	PCBs				**CSEV - worker**	**CSEV - GPL**
8082	PCB 1016	mg/kg	<0.017	<0.85	21	1000
8082	PCB 1221	mg/kg	<0.017	<0.85	0.74	1000
8082	PCB 1232	mg/kg	<0.017	<0.85	0.74	1000
8082	PCB 1242	mg/kg	<0.017	<0.85	0.74	1000
8082	PCB 1248	mg/kg	<0.017	**2.1**	**0.74**	1000
8082	PCB 1254	mg/kg	<0.017	<0.85	0.74	1000
8082	PCB 1260	mg/kg	<0.017	<0.85	0.74	1000

Notes

mg/kg - milligrams per kilogram, parts per million

< - analyte not detected at the laboratory practical quantitation limit

shaded cells indicate detections, bold values indicate exceedance of screening levels

CSEV - Colorado Soil Evaluation Values, for worker who may occasionally contact soils, CDPHE HMWMD, Dec 2007

GPL - groundwater protection level, from CSEVs

Sundance Environmental Consultants, Inc.

Table 4 - Total Metals in Soil

11380 Smith Road, Aurora, Colorado

Sample ID			HA01 18 IN	HA03 18IN	HA04 14IN	HA06 10 IN	**Regulatory Screening Levels**	
Collect Date			9/23/2009	9/23/2009	9/23/2009	9/23/2009		
Method	**Parameter**	**Units**	**Value**	**Value**	**Value**	**Value**		
	Total Metals						**CSEV - worker**	**CSEV - GPL**
7471	Mercury	mg/kg	<0.020	<0.020	<0.020	0.026	310	NA
6010B	Aluminum	mg/kg		10000	12000		900000	NA
6010B	Antimony	mg/kg		<2.0	<1.0		410	NA
6010B	Arsenic	mg/kg	<1.0	<1.0	1.1	1	1.6	NA
6010B	Barium	mg/kg	160	92	120	160	160000	NA
6010B	Beryllium	mg/kg		1.1	0.85		1900	NA
6010B	Cadmium	mg/kg	0.62	0.96	0.52	0.73	810	NA
6010B	Calcium	mg/kg		10000	7200		NA	NA
6010B	Chromium	mg/kg	14	7.1	10	15	150000	NA
6010B	Cobalt	mg/kg		11	18		1600	NA
6010B	Copper	mg/kg		40	6.7		41000	NA
6010B	Iron	mg/kg		24000	12000		310000	NA
6010B	Lead	mg/kg	23	33	10	20	800	NA
6010B	Magnesium	mg/kg	3300	6900	2300	3800	NA	NA
6010B	Manganese	mg/kg		580	290		16000	NA
6010B	Nickel	mg/kg		2.7	6.4		20000	NA
6010B	Potassium	mg/kg		4400	3300		NA	NA
6010B	Selenium	mg/kg	<5.0	<5.0	<1.0	<1.0	5100	NA
6010B	Silver	mg/kg	<0.50	5	<0.50	<0.50	5100	NA
6010B	Sodium	mg/kg		330	700		NA	NA
6010B	Thallium	mg/kg		2.6	<1.0		72	NA
6010B	Vanadium	mg/kg		43	26		1000	NA
6010B	Zinc	mg/kg		84	35		310000	NA

Notes

mg/kg - milligrams per kilogram, parts per million

< - analyte not detected at the laboratory practical quantitation limit

shaded cells indicate detections, bold values indicate exceedance of screening levels

CSEV - Colorado Soil Evaluation Values, for worker who may occasionally contact soils, CDPHE HMWMD, December 2007

GPL - groundwater protection level, from CSEVs

Sundance Environmental Consultants, Inc.

Table 5 - Water Table Elevation Data

11380 Smith Road, Aurora, Colorado

Station ID	Date Measured	TOC Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)
SMW-01	12/17/2009	93.21	14.63	78.58
	12/28/2009	93.21	14.63	78.58
SMW-02	12/17/2009	96.50	20.49	76.01
	12/28/2009	96.50	20.52	75.98
SMW-03	12/17/2009	99.88	24.59	75.29
	12/28/2009	99.88	24.60	75.28

Notes

Top of casing elevation (TOC) referenced to arbitrary bench mark of 100.00 feet at top of hydrant outside NW fence.

Sundance Environmental Consultants, Inc.

Table 6 - Groundwater Analytical Data

11380 Smith Road, Aurora, Colorado

Sample ID			SMW-02	SMW-03	
Collect Date			12/28/2009	12/28/2009	Regulatory Screening Levels
Method	**Parameter**	**Units**	**Value**	**Value**	
	Petroleum Hydrocarbons				
OA2	Mineral Spirits	mg/l	<0.10	<0.10	NA
OA2	Kerosene (C9-C16)	mg/l	<0.10	<0.10	NA
OA2	Diesel range (C7-C26)	mg/l	<0.10	<0.10	NA
OA2	#6 Fuel Oil (C10-C32)	mg/l	<0.10	<0.10	NA
OA2	Hydraulic Fluid (C12-C33)	mg/l	<0.10	<0.10	NA
OA2	Motor Oil (C16-C40)	mg/l	<0.50	<0.50	NA
	Volatile Organic Compounds				**GW Standard**
8260B	Acetone	mg/l	<0.050	<0.050	NA
8260B	Benzene	mg/l	<0.0010	<0.0010	0.005
8260B	Carbon tetrachloride	mg/l	<0.0010	<0.0010	0.00027
8260B	cis-1,2-Dichloroethene	mg/l	<0.0010	<0.0010	0.07
8260B	Ethylbenzene	mg/l	<0.0010	<0.0010	0.7
8260B	Naphthalene	mg/l	<0.0050	<0.0050	0.14
8260B	Tetrachloroethene	mg/l	<0.0010	<0.0010	0.005
8260B	Toluene	mg/l	<0.0050	<0.0050	0.56
8260B	1,1,1-Trichloroethane	mg/l	0.0093	<0.0010	0.2
8260B	Trichloroethene	mg/l	<0.0010	<0.0010	0.005
8260B	Vinyl chloride	mg/l	<0.0010	<0.0010	0.000023
8260B	Xylenes, Total	mg/l	<0.0030	<0.0030	1.4
	PCBs				**GW Standard**
8082	PCB 1016	mg/l	<0.00050	<0.00050	0.000017
8082	PCB 1221	mg/l	<0.00050	<0.00050	0.000017
8082	PCB 1232	mg/l	<0.00050	<0.00050	0.000017
8082	PCB 1242	mg/l	<0.00050	<0.00050	0.000017
8082	PCB 1248	mg/l	<0.00050	<0.00050	0.000017
8082	PCB 1254	mg/l	<0.00050	<0.00050	0.000017
8082	PCB 1260	mg/l	<0.00050	<0.00050	0.000017

Notes

mg/l - milligrams per liter, parts per million

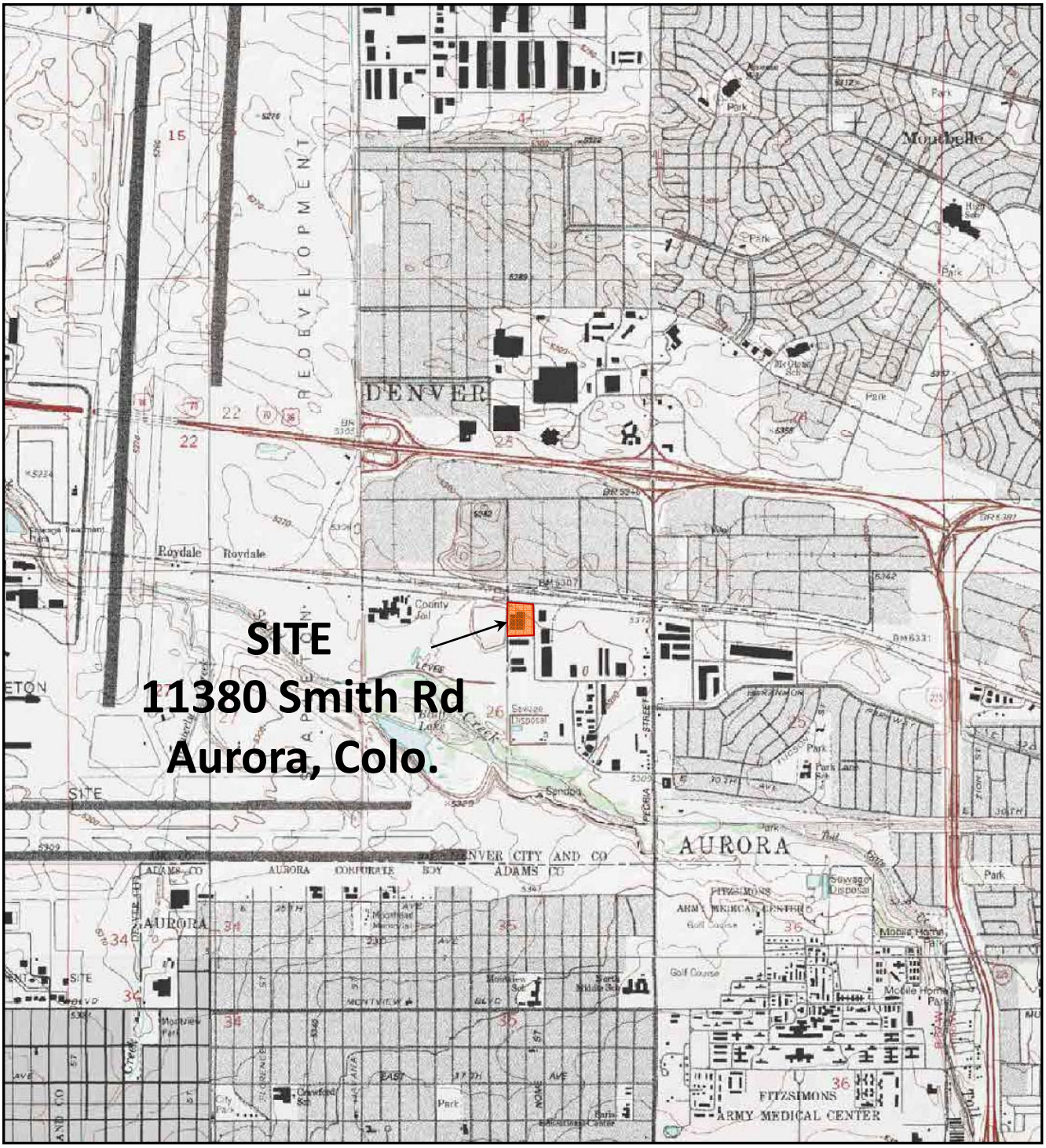
NA - not applicable - no value given in standards

< - analyte not detected at the practical quantitation limit

additional non-detect compounds shown on lab sheets

shaded cells indicate detections, bold values indicate exceedance of screening levels

GW Standard - Taken from Table A, Ground Water Organic Chemical Standards, in CDPHE Regulation No. 41 The Basic Standards for Ground Water, effective 11/30/09.



LEGEND:

BASE MAP TAKEN FROM USGS SABLE QUADRANGLE

0 4000

SCALE: FEET

N

Sundance Environmental Consultants, Inc.
11584 Wilson Cir.
Parker, CO 80134

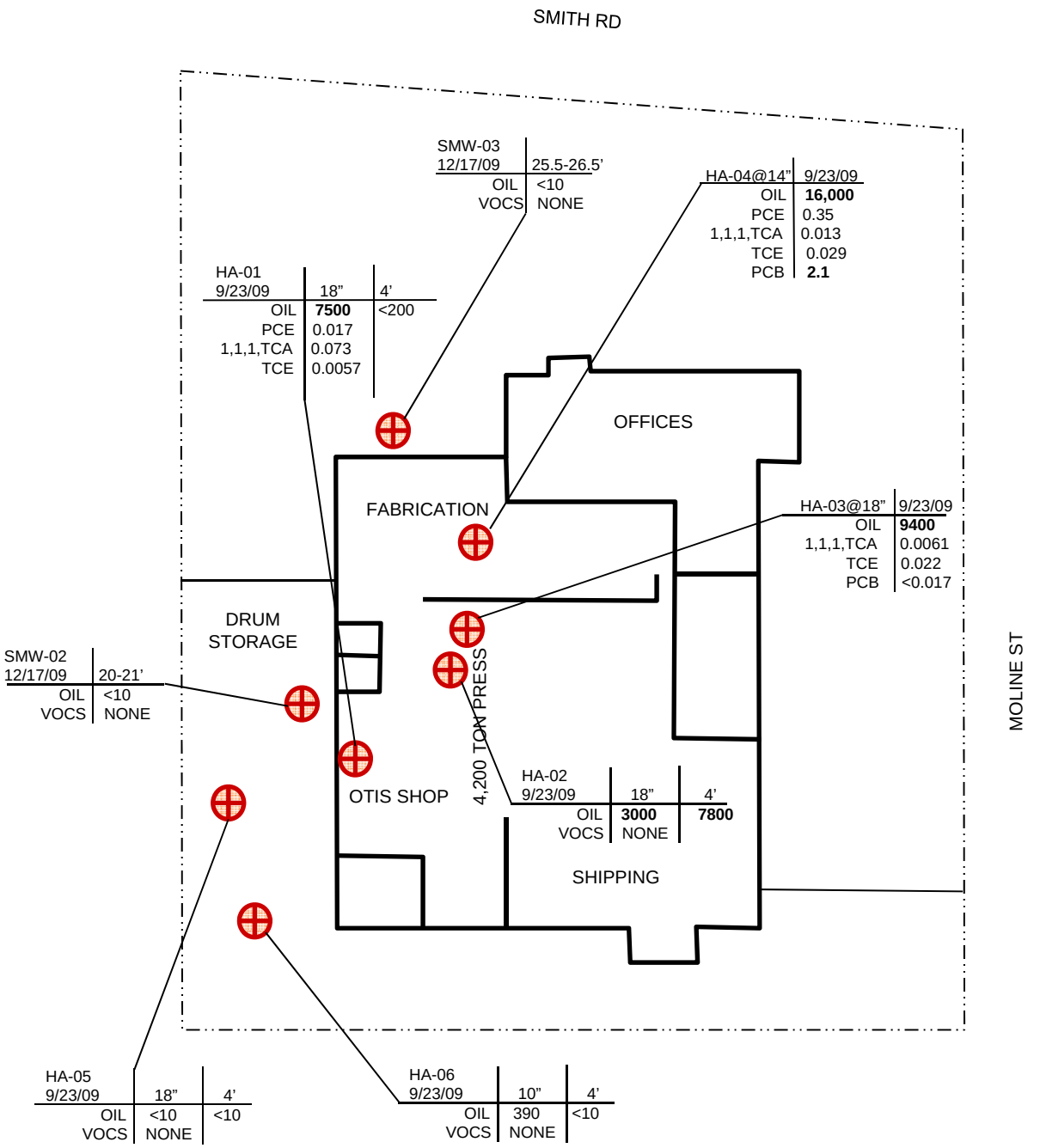
PROJECT: 11380 Smith Rd	REV BY: RF
PROJECT NO. 11380	DATE: 618/10

SITE LOCATION MAP

11380 Smith Rd.
Aurora, Colorado

FIGURE

1



LEGEND:

SUNDANCE SOIL BORING

ALL VALUES ARE IN mg/kg

KEY RESULTS SHOWN, SEE ALSO TABLES AND LABORATORY DATA SHEETS

0 100

SCALE: FEET

N

Sundance Environmental Consultants, Inc.
11584 Wilson Cir.
Parker, CO 80134

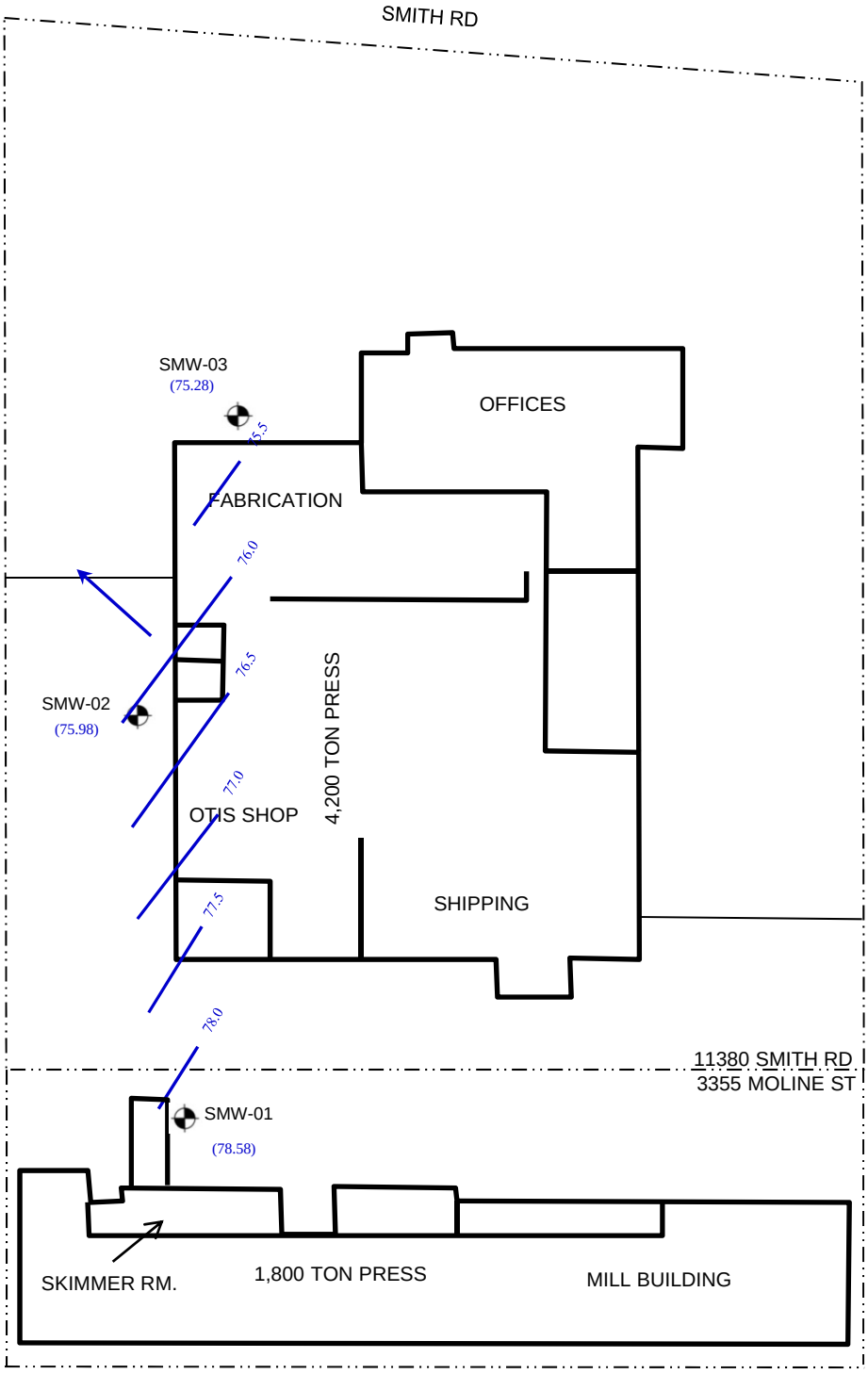
PROJECT: 11380 Smith Rd	REV BY: RF
PROJECT NO. 11380	DATE: 6/18/10

SOIL SAMPLE LOCATION MAP

11380 Smith Rd.
Aurora, Colorado

FIGURE

2



LEGEND:

SMW-01 — SUNDANCE GROUNDWATER MONITORING WELL

76.0 — GROUNDWATER ELEVATION CONTOUR (FEET)

(75.98) — GROUNDWATER ELEVATION (FEET) 12/28/09

GROUNDWATER FLOW DIRECTION

0 100

SCALE: FEET

N

Sundance Environmental Consultants, Inc.
11584 Wilson Cir.
Parker, CO 80134

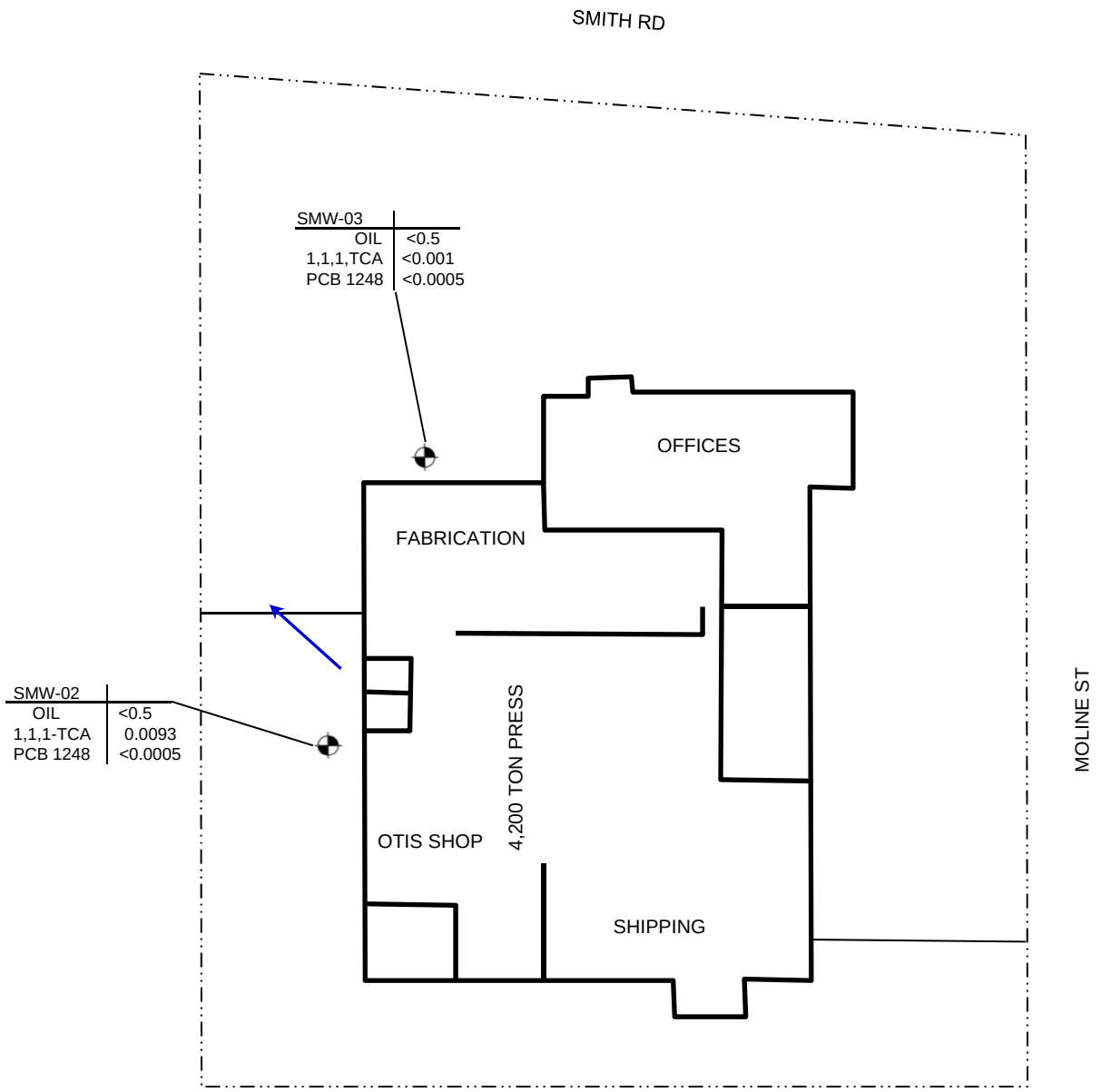
PROJECT: 11380 Smith Rd	REV BY: RF
PROJECT NO. 11380	DATE: 6/18/10

GROUNDWATER ELEVATION MAP

11380 Smith Rd.
Aurora, Colorado

FIGURE

3



LEGEND:

SMW-01 SUNDANCE GROUNDWATER MONITORING WELL

GROUNDWATER FLOW DIRECTION

mg/L = MILLIGRAMS PER LITER

GROUNDWATER SAMPLES COLLECTED 12/28/09

KEY RESULTS SHOWN, SEE ALSO TABLES AND LABORATORY DATA SHEETS

0 100

SCALE: FEET

N

Sundance Environmental Consultants, Inc. 11584 Wilson Cir. Parker, CO 80134	**GROUNDWATER SAMPLE LOCATION MAP** 11380 Smith Rd. Aurora, Colorado	FIGURE **4**
PROJECT: 11380 Smith Rd	REV BY: RF	
PROJECT NO. 11380	DATE: 6/18/10	

1. 11380 Smith Road – Hand auger location HA-01 at the former Otis shop in area of surface oil accumulation and concrete cracking.

2. Hand auger location HA-02 in foreground with HA-03 in background, near 4200 ton press in areas of staining on floor by press pit.

3. Hand auger location HA-04 in the former fabrication area near crack/joint in floor, with oil puddle on floor in background.

4. Hand auger location HA-05 in concrete drive, at area of concrete cracking and oil staining.

LOCATION MAP 11780 Smith Rd

N

SMW02

Sundance Environmental Consultants, Inc.
11584 Wilson Circle
Parker, Colorado 80134

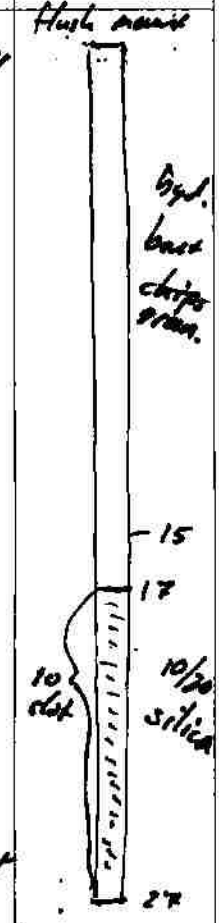
TEST HOLE/ WELL LOG Page 1 of 1

Test/Well Number: SMW-02	Project: Timmineo
Date: 12/17/09	Project Number:
Logged By: AB	Drilled By: Drill-Pro
Drilling Method: DP	Sampling Method: contin.

Elevation: 96.50	Detector: PID	Seal: bentonite granules (hyd.)	Grout:
Gravel Pack: 10/20 silica			Hole Dia.: 2 1/4" / F. L. Meter:
Casing Type: Sch 40 PVC	Diameter: 1"	Length: 17	DTP: NA / DTW: 20.49
Screen Type: "	Slot: .10	Diameter: 1" / Length: 10'	Well Depth: 27.1 / Total Depth: 28

Soil Type	Color	Moisture Content	% Fines	Structure	Vapor (ppm)	Staining	Sample #	Depth (ft)	Sample Recovery (%)	Penetration Resistence	LITHOLOGY/REMARKS
GP								0			0-4" red gravel
CL											4"-2 sandy clay, dk brown, stiff mott, no s/o
					0.2			2	100		
								4	–		
					0.2						
								6	70		
					0.6						7-26 sand, brown soft, moist no s/o
SW								8	–		
					1.1						
								10	90		
					1.2						
								12	–		
					1.2						
								14	80		
					1.7						
								16	–		
					2.6						
								18	90		
					2.0						
								20	–		
					2.3						
								22	80		
					3.0						- wet @ 22.5 1045 collect SMW02@20'-21'
								24	–		
CL								26	90		26 weathered claystone, hard, moist no s/o
								28			TD

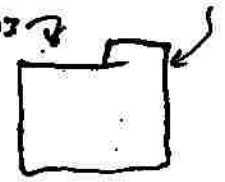
WELL COMPLETION 1"



LOCATION MAP 11380 Smith Rd

N

SMW03



Sundance Environmental Consultants, Inc.
11584 Wilson Circle
Parker, Colorado 80134

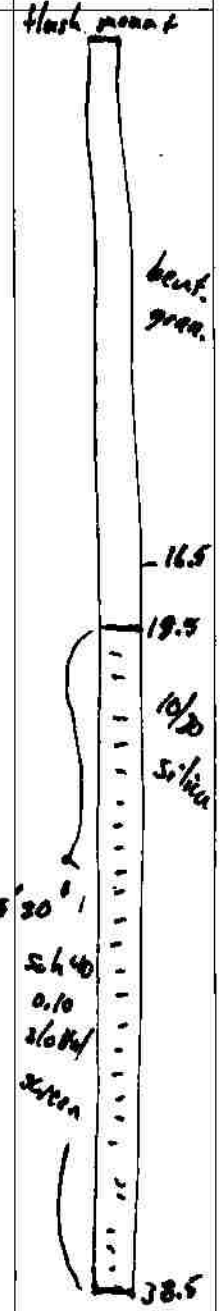
TEST HOLE/ WELL LOG | Page 1 of 1

Test/Well Number: SMW-03	Project:
Date: 12/17/09	Project Number:
Logged By: AB	Drilled By: Drill-Pro
Drilling Method: DP	Sampling Method: continuous

Elevation: 99.88	Detector: PID	Seal: bentonite ~~grout~~ (hydrated)	Grout:		
Gravel Pack: 10/20 Silica			Hole Dia.: 2 1/4"	F. L. Meter:	
Casing Type: Sch 40 PVC		Diameter: 1"	Length:	DTP:	DTW: 24.59
Screen Type: "	Slot: 0.10	Diameter: 1"	Length:	Well Depth: 38.6	Total Depth:

Soil Type	Color	Moisture Content	% Fines	Structure	Vapor ppm	Staining	Sample #	Depth ft	Sample Recovery %	Penetration Resistence	LITHOLOGY/REMARKS
								0	-		grass surface
CL											clay, dk brown, stiff, dry
					0.7			2	90		sandy no s/o
								4	-		
					1.0						
					0.2			6	80		
								8	-		
					0.7						
					0.5			10	80		
								12	-		sand, lt brown, dry, soft
SW					0.8						12-25 no s/o
					0.7			14	70		
								16	-		
					0.9						
								18	80		
					0.2						
								20	-		
					0.5						
								22	70		
					0.1						
								24	-		25-26 clay, moist, stiff no s/o
CL					0.1			26	70		wet @ 26 sand, wet no s/o
SW											1200 collect SMW03@25.5-26.5'
								28	-		
								30	70		
								32	-		
								34	NR		
								36	-		
								38	NR		refusal @ 38.5 set well
CL								40	-		weathered claystone bedrock in probe tip no s/o

WELL COMPLETION 1"



Sundance Environmental Consultants, Inc.

11584 Wilson Circle
Parker, CO 80134

Alternate billing information:

Report to: Alex Becker

Email to: abecker@sundanceenv.com

Project Description: Timmihco

City/Sate Collected: Aurora, CO

Phone: 303.345-1129
FAX:

Client Project #: Tim

ESC Key:

Collected by: Alex Becker

Site/Facility ID#:

P.O.#:

Collected by (signature):

Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
_____ Same Day. 200%
_____ Next Day. 100%
_____ Two Day 50%

Date Results Needed:
Email? __No ✓ Yes
FAX? ✓ No __Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 3

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

D060

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260 TPH GS	OA2	Metals	PAHs	PCBs				Remarks/Contaminant	Sample # (lab only)
HA01 @ 18"	G	SS	18"	9/23/09	0805	2	X	X							HOLD xtra	L423799-09
HA01 @ 4'			4'		0815	1		X								-01
HA01 @ 8'			8'		0825	2									HOLD	
HA02 @ 18"			18"		0830	3	X	X							HOLD xtra	-10
HA02 @ 4'			4"		0840	2	X	X							HOLD xtra	-11
HA03 @ 18"			18"		0850	3	X	X							HOLD xtra	-12
HA04 @ 14"			14"		0[illegible]0	1	X	X								-02
HA05 @ 18"			18"		[illegible]15	3	X	X							HOLD xtra	-13
HA05 @ 4'			4		0920	1		X								-03

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks: 11380 Smith Rd., Aurora, CO

9632626559 11 Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
	9/23/09	1500			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6	Bottles Received: 48-406
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/24/09	Time: 0900
				pH Checked:	NCF:

Sundance Environmental Consultants, Inc.

11584 Wilson Circle
Parker, CO 80134

Alternate billing information:

Report to: Alex Becker

Email to: abecker@sundanceenv.com

Project Description: Timminco

City/Sate Collected: Aurora, CO

Phone: 303.345-1129
FAX:

Client Project #: Tim

ESC Key:

Collected by: Alex Becker

Site/Facility ID#:

P.O.#:

Collected by (signature):

Packed on Ice N ____ Y ✓

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:
Email? __No ✓ Yes
FAX? ✓ No __Yes

Chain of Custody
Page 2 of 3

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260 TPHKs	OA 2	Metals	PAHs	PCBs				Remarks/Contaminant	Sample # (lab only)
HA05 @ 6'	G	SS	6'	9/22/09	0925	1									HOLD	L423799
HA06 @ 10"			10"		0930	3	X	X							HOLD xtra	-14
HA06 @ 4'			4'		0935	1		X								-04
HA06 @ 6'			6'		0937	1									HOLD	
HA07 @ 18"			18"		1000	3	X	X							HOLD xtra	~~-14~~ -15
HA07 @ 4'			4'		1005	1		X								-05
HA07 @ 6'			6'		1008	1									HOLD	
HA08 @ 18"			18"		1015	3	X	X							HOLD xtra	~~-15~~ -16
HA08 @ 4'			4'		1020	1		X								-06

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks: 11380 Smith Rd, Aurora, CO

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____	Condition: (lab use only) OK
	9/22/09	1500			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6° / Bottles Received: 43-40z	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/24/09 / Time: 0900	pH Checked: / NCF:

Sundance Environmental Consultants, Inc.

11584 Wilson Circle
Parker, CO 80134

Alternate billing information:

Report to: Alex Becker

Email to: abecker@sundanceenv.com

Project Description: Timmich co

City/Sate Collected

Phone: 303.345-1129
FAX:

Client Project #: Tim

ESC Key:

Collected by: Alex Becker

Site/Facility ID#:

P.O.#:

Collected by (signature):

Packed on Ice N Y ✓

Rush? (Lab MUST Be Notified)
_____ Same Day.....200%
_____ Next Day.....100%
_____ Two Day.....50%

Date Results Needed:
Email? __No ✓Yes
FAX? ✓No __Yes

Analysis/Container/Preservative

Chain of Custody
Page 3 of 3

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260 TPHKS	OH2	Metals	PAHs	PCBs	Remarks/Contaminant	Sample # (lab only)
HA08 @ 6'	G	SS	6'	9/23/09	1025	1						HOLD	L423799
HA09 @ 14"	↓	↓	14"	↓	1030	3	X	X				HOLD xtra	-16 -17
HA09 @ 4'			4'		1035	1		X					-07
HA09 @ 6'			6'		1040	1						HOLD	
HA10 @ 0-6"			0-6"		1105	3	X	X				HOLD xtra	-17 -18
HA10 @ 4'			4'		1110	1		X					-09 TD

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: 11380 Smith Rd, Aurora, CO

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	9/23/09	1500	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐

Temp: 36°
Bottles Received: 43-402
Date: 9/24/09
Time: 0900

Condition: (lab use only) OK

pH Checked:

NCF:

ENVIRONMENTAL
SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Alex Becker
Sundance Environmental Consultants, Inc.
11584 Wilson Circle

Parker, CO 80134

Report Summary

Monday October 05, 2009

Report Number: L423799
Samples Received: 09/24/09
Client Project: TIM

Description: Timminco

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Blackman, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-01

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA01 4FT

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/01/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/01/09	1
Diesel (C7-C26)	52.	4.0	mg/kg	OA2	10/01/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/01/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/01/09	1
Motor Oil (C16-C40)	BDL	200	mg/kg	OA2	10/02/09	20
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	OA2	10/02/09	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 10/05/09 14:44 Printed: 10/05/09 14:45

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-02

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA04 14IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
TPH (GC/MS) Low Fraction	BDL	2.5	mg/kg	8260B	09/27/09	5
Acetone	BDL	0.25	mg/kg	8260B	09/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	09/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	09/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	09/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	09/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-02

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA04 14IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	09/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	09/30/09	5
Tetrachloroethene	0.35	0.0050	mg/kg	8260B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1-Trichloroethane	0.013	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichloroethene	0.029	0.0050	mg/kg	8260B	09/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	09/30/09	5
Surrogate Recovery						
Toluene-d8	80.7		% Rec.	8260B	09/30/09	5
Dibromofluoromethane	110.		% Rec.	8260B	09/30/09	5
4-Bromofluorobenzene	67.5		% Rec.	8260B	09/30/09	5
Mineral Spirits	BDL	80.	mg/kg	OA2	10/02/09	20
Kerosene (C9-C16)	BDL	80.	mg/kg	OA2	10/02/09	20
Diesel (C7-C26)	330	80.	mg/kg	OA2	10/02/09	20
#6 Fuel Oil (C10-C32)	BDL	80.	mg/kg	OA2	10/02/09	20
Hydraulic Fluid (C12-C33)	BDL	80.	mg/kg	OA2	10/02/09	20
Motor Oil (C16-C40)	16000	1000	mg/kg	OA2	10/03/09	100
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	OA2	10/02/09	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-03

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA05 4FT

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	BDL	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	BDL	10.	mg/kg	OA2	10/02/09	1
Surrogate recovery(%)						
o-Terphenyl	102.		% Rec.	OA2	10/02/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-04

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA06 4FT

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	BDL	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	BDL	10.	mg/kg	OA2	10/02/09	1
Surrogate recovery(%)						
o-Terphenyl	103.		% Rec.	OA2	10/02/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-09

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA01 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
TPH (GC/MS) Low Fraction	BDL	2.5	mg/kg	8260B	09/27/09	5
Acetone	BDL	0.25	mg/kg	8260B	09/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	09/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	09/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	09/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	09/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-09

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA01 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	09/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	09/30/09	5
Tetrachloroethene	0.017	0.0050	mg/kg	8260B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1-Trichloroethane	0.073	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichloroethene	0.0057	0.0050	mg/kg	8260B	09/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trimethylbenzene	0.0052	0.0050	mg/kg	8260B	09/30/09	5
1,2,3-Trimethylbenzene	0.0058	0.0050	mg/kg	8260B	09/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	09/30/09	5
Surrogate Recovery						
Toluene-d8	85.5		% Rec.	8260B	09/30/09	5
Dibromofluoromethane	110.		% Rec.	8260B	09/30/09	5
4-Bromofluorobenzene	68.0		% Rec.	8260B	09/30/09	5
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	94.	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	7500	800	mg/kg	OA2	10/05/09	80
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	OA2	10/05/09	80

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-10

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA02 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
TPH (GC/MS) Low Fraction	BDL	2.5	mg/kg	8260B	09/27/09	5
Acetone	BDL	0.25	mg/kg	8260B	09/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	09/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	09/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	09/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	09/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-10

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA02 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	09/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	09/30/09	5
Tetrachloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	09/30/09	5
Surrogate Recovery						
Toluene-d8	92.1		% Rec.	8260B	09/30/09	5
Dibromofluoromethane	101.		% Rec.	8260B	09/30/09	5
4-Bromofluorobenzene	86.4		% Rec.	8260B	09/30/09	5
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	46.	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	3000	500	mg/kg	OA2	10/05/09	50
Surrogate recovery(%)						
o-Terphenyl	64.0		% Rec.	OA2	10/02/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-11

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA02 4FT

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	120	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	7800	400	mg/kg	OA2	10/03/09	40
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	OA2	10/03/09	40

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-12

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA03 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
TPH (GC/MS) Low Fraction	BDL	2.5	mg/kg	8260B	09/27/09	5
Acetone	BDL	0.25	mg/kg	8260B	09/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	09/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	09/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	09/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	09/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-12

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA03 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	09/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	09/30/09	5
Tetrachloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1-Trichloroethane	0.0061	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichloroethene	0.022	0.0050	mg/kg	8260B	09/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	09/30/09	5
Surrogate Recovery						
Toluene-d8	88.2		% Rec.	8260B	09/30/09	5
Dibromofluoromethane	101.		% Rec.	8260B	09/30/09	5
4-Bromofluorobenzene	87.2		% Rec.	8260B	09/30/09	5
Mineral Spirits	BDL	80.	mg/kg	OA2	10/02/09	20
Kerosene (C9-C16)	BDL	80.	mg/kg	OA2	10/02/09	20
Diesel (C7-C26)	110	80.	mg/kg	OA2	10/02/09	20
#6 Fuel Oil (C10-C32)	BDL	80.	mg/kg	OA2	10/02/09	20
Hydraulic Fluid (C12-C33)	BDL	80.	mg/kg	OA2	10/02/09	20
Motor Oil (C16-C40)	9400	800	mg/kg	OA2	10/05/09	80
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	OA2	10/02/09	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-13

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA05 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
TPH (GC/MS) Low Fraction	BDL	2.5	mg/kg	8260B	09/27/09	5
Acetone	BDL	0.25	mg/kg	8260B	09/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	09/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	09/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	09/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	09/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-13

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA05 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	09/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	09/30/09	5
Tetrachloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	09/30/09	5
Surrogate Recovery						
Toluene-d8	99.3		% Rec.	8260B	09/30/09	5
Dibromofluoromethane	95.4		% Rec.	8260B	09/30/09	5
4-Bromofluorobenzene	104.		% Rec.	8260B	09/30/09	5
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	BDL	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	BDL	10.	mg/kg	OA2	10/02/09	1
Surrogate recovery(%)						
o-Terphenyl	97.2		% Rec.	OA2	10/02/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-14

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA06 10IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
TPH (GC/MS) Low Fraction	BDL	2.5	mg/kg	8260B	09/27/09	5
Acetone	BDL	0.25	mg/kg	8260B	09/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	09/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	09/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	09/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	09/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	09/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	09/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	09/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 05, 2009

ESC Sample # : L423799-14

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA06 10IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methylene Chloride	BDL	0.025	mg/kg	8260B	09/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	09/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	09/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	09/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	09/30/09	5
Tetrachloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,1-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichloroethene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	09/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	09/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	09/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	09/30/09	5
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	09/30/09	5
Dibromofluoromethane	95.9		% Rec.	8260B	09/30/09	5
4-Bromofluorobenzene	106.		% Rec.	8260B	09/30/09	5
Mineral Spirits	BDL	4.0	mg/kg	OA2	10/02/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	10/02/09	1
Diesel (C7-C26)	30.	4.0	mg/kg	OA2	10/02/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	10/02/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	10/02/09	1
Motor Oil (C16-C40)	390	50.	mg/kg	OA2	10/02/09	5
Surrogate recovery(%)						
o-Terphenyl	92.0		% Rec.	OA2	10/02/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
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Reported: 10/05/09 14:44 Printed: 10/05/09 14:45

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L423799-01	WG442653	SAMP	o-Terphenyl	R927548	J7
L423799-02	WG442653	SAMP	o-Terphenyl	R927548	J7
	WG443264	SAMP	Toluene-d8	R925368	J2
L423799-07	WG442653	SAMP	Motor Oil (C16-C40)	R927548	J6
L423799-09	WG442653	SAMP	o-Terphenyl	R927548	J7
L423799-11	WG442653	SAMP	o-Terphenyl	R927548	J7
L423799-12	WG442653	SAMP	o-Terphenyl	R927548	J7
L423799-13	WG442659	SAMP	Motor Oil (C16-C40)	R929928	J3
L423799-15	WG442659	SAMP	Motor Oil (C16-C40)	R929928	J3
L423799-17	WG442659	SAMP	o-Terphenyl	R929928	J7
	WG443276	SAMP	Naphthalene	R924108	J3
L423799-18	WG443276	SAMP	Naphthalene	R924108	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/05/09 at 14:46:08

TSR Signing Reports: 151
R5 - Desired TAT

Auto-QC and chromas on all reports; $2 included in price for chromas Client prefers 2oz jars
for soils . TPHKS = GRO and FULL 8260 List PAH = Report BAP at 0.061 ppm

Sample: L423799-01 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-02 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-03 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-04 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-05 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-06 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-07 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-08 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-09 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-10 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-11 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-12 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-13 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-14 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-15 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-16 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-17 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO
Sample: L423799-18 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/01/09 00:00 RPT Date: 10/05/09 14:44
Refer to P296980. TPHKS = full 8260 list and GRO

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Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L423799

October 05, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
TPH (GC/MS) Low Fraction	< .5	mg/kg			WG442801	09/27/09 08:22
4-Bromofluorobenzene		% Rec.	99.35	59-140	WG442801	09/27/09 08:22
Dibromofluoromethane		% Rec.	98.31	63-139	WG442801	09/27/09 08:22
Toluene-d8		% Rec.	100.8	84-116	WG442801	09/27/09 08:22
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,1,1-Trichloroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,1,2-Trichloroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,1-Dichloroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,1-Dichloroethene	< .001	mg/kg			WG443276	09/29/09 22:56
1,1-Dichloropropene	< .001	mg/kg			WG443276	09/29/09 22:56
1,2,3-Trichlorobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,2,3-Trichloropropane	< .001	mg/kg			WG443276	09/29/09 22:56
1,2,3-Trimethylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,2,4-Trichlorobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,2,4-Trimethylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG443276	09/29/09 22:56
1,2-Dibromoethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,2-Dichlorobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,2-Dichloroethane	< .001	mg/kg			WG443276	09/29/09 22:56
1,2-Dichloropropane	< .001	mg/kg			WG443276	09/29/09 22:56
1,3,5-Trimethylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,3-Dichlorobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
1,3-Dichloropropane	< .001	mg/kg			WG443276	09/29/09 22:56
1,4-Dichlorobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
2,2-Dichloropropane	< .001	mg/kg			WG443276	09/29/09 22:56
2-Butanone (MEK)	< .01	mg/kg			WG443276	09/29/09 22:56
2-Chloroethyl vinyl ether	< .001	mg/kg			WG443276	09/29/09 22:56
2-Chlorotoluene	< .001	mg/kg			WG443276	09/29/09 22:56
4-Chlorotoluene	< .001	mg/kg			WG443276	09/29/09 22:56
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG443276	09/29/09 22:56
Acetone	< .05	mg/kg			WG443276	09/29/09 22:56
Acrylonitrile	< .01	mg/kg			WG443276	09/29/09 22:56
Benzene	< .001	mg/kg			WG443276	09/29/09 22:56
Bromobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
Bromodichloromethane	< .001	mg/kg			WG443276	09/29/09 22:56
Bromoform	< .001	mg/kg			WG443276	09/29/09 22:56
Bromomethane	< .005	mg/kg			WG443276	09/29/09 22:56
Carbon tetrachloride	< .001	mg/kg			WG443276	09/29/09 22:56
Chlorobenzene	< .001	mg/kg			WG443276	09/29/09 22:56
Chlorodibromomethane	< .001	mg/kg			WG443276	09/29/09 22:56
Chloroethane	< .005	mg/kg			WG443276	09/29/09 22:56
Chloroform	< .005	mg/kg			WG443276	09/29/09 22:56
Chloromethane	< .001	mg/kg			WG443276	09/29/09 22:56
cis-1,2-Dichloroethene	< .001	mg/kg			WG443276	09/29/09 22:56
cis-1,3-Dichloropropene	< .001	mg/kg			WG443276	09/29/09 22:56
Di-isopropyl ether	< .001	mg/kg			WG443276	09/29/09 22:56
Dibromomethane	< .001	mg/kg			WG443276	09/29/09 22:56
Dichlorodifluoromethane	< .005	mg/kg			WG443276	09/29/09 22:56
Ethylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
Hexachloro-1,3-butadiene	< .001	mg/kg			WG443276	09/29/09 22:56
Isopropylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
Methyl tert-butyl ether	< .001	mg/kg			WG443276	09/29/09 22:56
Methylene Chloride	< .005	mg/kg			WG443276	09/29/09 22:56
n-Butylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
n-Propylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L423799

October 05, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Naphthalene	< .005	mg/kg			WG443276	09/29/09 22:56
p-Isopropyltoluene	< .001	mg/kg			WG443276	09/29/09 22:56
sec-Butylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
Styrene	< .001	mg/kg			WG443276	09/29/09 22:56
tert-Butylbenzene	< .001	mg/kg			WG443276	09/29/09 22:56
Tetrachloroethene	< .001	mg/kg			WG443276	09/29/09 22:56
Toluene	< .005	mg/kg			WG443276	09/29/09 22:56
trans-1,2-Dichloroethene	< .001	mg/kg			WG443276	09/29/09 22:56
trans-1,3-Dichloropropene	< .001	mg/kg			WG443276	09/29/09 22:56
Trichloroethene	< .001	mg/kg			WG443276	09/29/09 22:56
Trichlorofluoromethane	< .005	mg/kg			WG443276	09/29/09 22:56
Vinyl chloride	< .001	mg/kg			WG443276	09/29/09 22:56
Xylenes, Total	< .003	mg/kg			WG443276	09/29/09 22:56
4-Bromofluorobenzene		% Rec.	92.41	59-140	WG443276	09/29/09 22:56
Dibromofluoromethane		% Rec.	106.3	63-139	WG443276	09/29/09 22:56
Toluene-d8		% Rec.	99.63	84-116	WG443276	09/29/09 22:56
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,1,1-Trichloroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,1,2-Trichloroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,1-Dichloroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,1-Dichloroethene	< .001	mg/kg			WG443264	09/30/09 03:37
1,1-Dichloropropene	< .001	mg/kg			WG443264	09/30/09 03:37
1,2,3-Trichlorobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,2,3-Trichloropropane	< .001	mg/kg			WG443264	09/30/09 03:37
1,2,3-Trimethylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,2,4-Trichlorobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,2,4-Trimethylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG443264	09/30/09 03:37
1,2-Dibromoethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,2-Dichlorobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,2-Dichloroethane	< .001	mg/kg			WG443264	09/30/09 03:37
1,2-Dichloropropane	< .001	mg/kg			WG443264	09/30/09 03:37
1,3,5-Trimethylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,3-Dichlorobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
1,3-Dichloropropane	< .001	mg/kg			WG443264	09/30/09 03:37
1,4-Dichlorobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
2,2-Dichloropropane	< .001	mg/kg			WG443264	09/30/09 03:37
2-Butanone (MEK)	< .01	mg/kg			WG443264	09/30/09 03:37
2-Chloroethyl vinyl ether	< .001	mg/kg			WG443264	09/30/09 03:37
2-Chlorotoluene	< .001	mg/kg			WG443264	09/30/09 03:37
4-Chlorotoluene	< .001	mg/kg			WG443264	09/30/09 03:37
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG443264	09/30/09 03:37
Acetone	< .05	mg/kg			WG443264	09/30/09 03:37
Acrylonitrile	< .01	mg/kg			WG443264	09/30/09 03:37
Benzene	< .001	mg/kg			WG443264	09/30/09 03:37
Bromobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Bromodichloromethane	< .001	mg/kg			WG443264	09/30/09 03:37
Bromoform	< .001	mg/kg			WG443264	09/30/09 03:37
Bromomethane	< .005	mg/kg			WG443264	09/30/09 03:37
Carbon tetrachloride	< .001	mg/kg			WG443264	09/30/09 03:37
Chlorobenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Chlorodibromomethane	< .001	mg/kg			WG443264	09/30/09 03:37
Chloroethane	< .005	mg/kg			WG443264	09/30/09 03:37
Chloroform	< .005	mg/kg			WG443264	09/30/09 03:37
Chloromethane	< .001	mg/kg			WG443264	09/30/09 03:37

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Tax I.D. 62-0814289

Est. 1970

Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L423799

October 05, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
cis-1,2-Dichloroethene	< .001	mg/kg			WG443264	09/30/09 03:37
cis-1,3-Dichloropropene	< .001	mg/kg			WG443264	09/30/09 03:37
Di-isopropyl ether	< .001	mg/kg			WG443264	09/30/09 03:37
Dibromomethane	< .001	mg/kg			WG443264	09/30/09 03:37
Dichlorodifluoromethane	< .005	mg/kg			WG443264	09/30/09 03:37
Ethylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Hexachloro-1,3-butadiene	< .001	mg/kg			WG443264	09/30/09 03:37
Isopropylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Methyl tert-butyl ether	< .001	mg/kg			WG443264	09/30/09 03:37
Methylene Chloride	< .005	mg/kg			WG443264	09/30/09 03:37
n-Butylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
n-Propylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Naphthalene	< .005	mg/kg			WG443264	09/30/09 03:37
p-Isopropyltoluene	< .001	mg/kg			WG443264	09/30/09 03:37
sec-Butylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Styrene	< .001	mg/kg			WG443264	09/30/09 03:37
tert-Butylbenzene	< .001	mg/kg			WG443264	09/30/09 03:37
Tetrachloroethene	< .001	mg/kg			WG443264	09/30/09 03:37
Toluene	< .005	mg/kg			WG443264	09/30/09 03:37
trans-1,2-Dichloroethene	< .001	mg/kg			WG443264	09/30/09 03:37
trans-1,3-Dichloropropene	< .001	mg/kg			WG443264	09/30/09 03:37
Trichloroethene	< .001	mg/kg			WG443264	09/30/09 03:37
Trichlorofluoromethane	< .005	mg/kg			WG443264	09/30/09 03:37
Vinyl chloride	< .001	mg/kg			WG443264	09/30/09 03:37
Xylenes, Total	< .003	mg/kg			WG443264	09/30/09 03:37
4-Bromofluorobenzene		% Rec.	99.74	59-140	WG443264	09/30/09 03:37
Dibromofluoromethane		% Rec.	101.2	63-139	WG443264	09/30/09 03:37
Toluene-d8		% Rec.	101.1	84-116	WG443264	09/30/09 03:37
#6 Fuel Oil (C10-C32)	< 4	mg/kg			WG442653	10/01/09 09:39
Diesel (C7-C26)	< 4	mg/kg			WG442653	10/01/09 09:39
Hydraulic Fluid (C12-C33)	< 4	mg/kg			WG442653	10/01/09 09:39
Kerosene (C9-C16)	< 4	mg/kg			WG442653	10/01/09 09:39
Mineral Spirits	< 4	mg/kg			WG442653	10/01/09 09:39
Motor Oil (C16-C40)	< 10	mg/kg			WG442653	10/01/09 09:39
o-Terphenyl		% Rec.	114.5	50-150	WG442653	10/01/09 09:39
#6 Fuel Oil (C10-C32)	< 4	mg/kg			WG442659	10/02/09 05:22
Diesel (C7-C26)	< 4	mg/kg			WG442659	10/02/09 05:22
Hydraulic Fluid (C12-C33)	< 4	mg/kg			WG442659	10/02/09 05:22
Kerosene (C9-C16)	< 4	mg/kg			WG442659	10/02/09 05:22
Mineral Spirits	< 4	mg/kg			WG442659	10/02/09 05:22
Motor Oil (C16-C40)	< 10	mg/kg			WG442659	10/02/09 05:22
o-Terphenyl		% Rec.	133.9	50-150	WG442659	10/02/09 05:22

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
TPH (GC/MS) Low Fraction	mg/kg	5	5.68	114.	65-139	WG442801
4-Bromofluorobenzene				97.72	59-140	WG442801
Dibromofluoromethane				98.16	63-139	WG442801
Toluene-d8				101.6	84-116	WG442801
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0226	90.6	73-134	WG443276
1,1,1-Trichloroethane	mg/kg	.025	0.0279	112.	62-135	WG443276
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0249	99.6	74-129	WG443276

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October 05, 2009

L423799

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichloroethane	mg/kg	.025	0.0230	91.9	77-124	WG443276
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.025	0.0214	85.4	49-155	WG443276
1,1-Dichloroethane	mg/kg	.025	0.0277	111.	61-134	WG443276
1,1-Dichloroethene	mg/kg	.025	0.0270	108.	53-136	WG443276
1,1-Dichloropropene	mg/kg	.025	0.0281	113.	63-132	WG443276
1,2,3-Trichlorobenzene	mg/kg	.025	0.0244	97.7	62-146	WG443276
1,2,3-Trichloropropane	mg/kg	.025	0.0235	94.1	70-133	WG443276
1,2,3-Trimethylbenzene	mg/kg	.025	0.0257	103.	73-126	WG443276
1,2,4-Trichlorobenzene	mg/kg	.025	0.0255	102.	61-148	WG443276
1,2,4-Trimethylbenzene	mg/kg	.025	0.0238	95.2	68-135	WG443276
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0238	95.2	61-134	WG443276
1,2-Dibromoethane	mg/kg	.025	0.0231	92.3	76-127	WG443276
1,2-Dichlorobenzene	mg/kg	.025	0.0243	97.1	77-123	WG443276
1,2-Dichloroethane	mg/kg	.025	0.0287	115.	58-141	WG443276
1,2-Dichloropropane	mg/kg	.025	0.0258	103.	71-128	WG443276
1,3,5-Trimethylbenzene	mg/kg	.025	0.0241	96.6	71-133	WG443276
1,3-Dichlorobenzene	mg/kg	.025	0.0218	87.1	71-132	WG443276
1,3-Dichloropropane	mg/kg	.025	0.0239	95.7	76-120	WG443276
1,4-Dichlorobenzene	mg/kg	.025	0.0236	94.2	72-123	WG443276
2,2-Dichloropropane	mg/kg	.025	0.0270	108.	50-147	WG443276
2-Butanone (MEK)	mg/kg	.125	0.139	111.	51-131	WG443276
2-Chloroethyl vinyl ether	mg/kg	.125	0.213	171.	0-188	WG443276
2-Chlorotoluene	mg/kg	.025	0.0244	97.8	73-128	WG443276
4-Chlorotoluene	mg/kg	.025	0.0245	98.0	72-129	WG443276
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.142	114.	61-143	WG443276
Acetone	mg/kg	.125	0.137	110.	44-140	WG443276
Acrylonitrile	mg/kg	.125	0.149	119.	55-143	WG443276
Benzene	mg/kg	.025	0.0278	111.	65-128	WG443276
Bromobenzene	mg/kg	.025	0.0239	95.5	75-123	WG443276
Bromodichloromethane	mg/kg	.025	0.0276	111.	66-126	WG443276
Bromoform	mg/kg	.025	0.0240	96.1	64-139	WG443276
Bromomethane	mg/kg	.025	0.0251	100.	41-175	WG443276
Carbon tetrachloride	mg/kg	.025	0.0263	105.	60-140	WG443276
Chlorobenzene	mg/kg	.025	0.0225	89.9	75-125	WG443276
Chlorodibromomethane	mg/kg	.025	0.0229	91.8	72-137	WG443276
Chloroethane	mg/kg	.025	0.0286	115.	44-159	WG443276
Chloroform	mg/kg	.025	0.0262	105.	63-123	WG443276
Chloromethane	mg/kg	.025	0.0240	96.2	42-149	WG443276
cis-1,2-Dichloroethene	mg/kg	.025	0.0267	107.	71-129	WG443276
cis-1,3-Dichloropropene	mg/kg	.025	0.0277	111.	73-132	WG443276
Di-isopropyl ether	mg/kg	.025	0.0263	105.	59-143	WG443276
Dibromomethane	mg/kg	.025	0.0262	105.	70-130	WG443276
Dichlorodifluoromethane	mg/kg	.025	0.0216	86.4	26-186	WG443276
Ethylbenzene	mg/kg	.025	0.0229	91.8	74-128	WG443276
Hexachloro-1,3-butadiene	mg/kg	.025	0.0243	97.3	65-137	WG443276
Isopropylbenzene	mg/kg	.025	0.0234	93.5	73-130	WG443276
Methyl tert-butyl ether	mg/kg	.025	0.0267	107.	44-148	WG443276
Methylene Chloride	mg/kg	.025	0.0268	107.	57-129	WG443276
n-Butylbenzene	mg/kg	.025	0.0273	109.	60-145	WG443276
n-Propylbenzene	mg/kg	.025	0.0240	96.2	71-132	WG443276
Naphthalene	mg/kg	.025	0.0218	87.2	61-142	WG443276
p-Isopropyltoluene	mg/kg	.025	0.0236	94.3	67-138	WG443276
sec-Butylbenzene	mg/kg	.025	0.0238	95.2	71-134	WG443276
Styrene	mg/kg	.025	0.0248	99.3	76-133	WG443276
tert-Butylbenzene	mg/kg	.025	0.0235	94.0	72-132	WG443276
Tetrachloroethene	mg/kg	.025	0.0199	79.6	65-135	WG443276
Toluene	mg/kg	.025	0.0261	104.	70-120	WG443276
trans-1,2-Dichloroethene	mg/kg	.025	0.0265	106.	61-133	WG443276
trans-1,3-Dichloropropene	mg/kg	.025	0.0286	114.	70-135	WG443276

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Level II

L423799

October 05, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Trichloroethene	mg/kg	.025	0.0230	92.1	71-126	WG443276
Trichlorofluoromethane	mg/kg	.025	0.0276	110.	52-147	WG443276
Vinyl chloride	mg/kg	.025	0.0260	104.	50-151	WG443276
Xylenes, Total	mg/kg	.075	0.0695	92.7	74-127	WG443276
4-Bromofluorobenzene				93.60	59-140	WG443276
Dibromofluoromethane				106.9	63-139	WG443276
Toluene-d8				104.5	84-116	WG443276
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0234	93.8	73-134	WG443264
1,1,1-Trichloroethane	mg/kg	.025	0.0253	101.	62-135	WG443264
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0211	84.4	74-129	WG443264
1,1,2-Trichloroethane	mg/kg	.025	0.0217	86.7	77-124	WG443264
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.025	0.0274	109.	49-155	WG443264
1,1-Dichloroethane	mg/kg	.025	0.0254	102.	61-134	WG443264
1,1-Dichloroethene	mg/kg	.025	0.0285	114.	53-136	WG443264
1,1-Dichloropropene	mg/kg	.025	0.0284	113.	63-132	WG443264
1,2,3-Trichlorobenzene	mg/kg	.025	0.0206	82.4	62-146	WG443264
1,2,3-Trichloropropane	mg/kg	.025	0.0213	85.1	70-133	WG443264
1,2,3-Trimethylbenzene	mg/kg	.025	0.0221	88.4	73-126	WG443264
1,2,4-Trichlorobenzene	mg/kg	.025	0.0205	81.9	61-148	WG443264
1,2,4-Trimethylbenzene	mg/kg	.025	0.0235	94.1	68-135	WG443264
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0184	73.6	61-134	WG443264
1,2-Dibromoethane	mg/kg	.025	0.0228	91.2	76-127	WG443264
1,2-Dichlorobenzene	mg/kg	.025	0.0216	86.4	77-123	WG443264
1,2-Dichloroethane	mg/kg	.025	0.0237	94.9	58-141	WG443264
1,2-Dichloropropane	mg/kg	.025	0.0245	98.0	71-128	WG443264
1,3,5-Trimethylbenzene	mg/kg	.025	0.0242	96.7	71-133	WG443264
1,3-Dichlorobenzene	mg/kg	.025	0.0221	88.4	71-132	WG443264
1,3-Dichloropropane	mg/kg	.025	0.0218	87.4	76-120	WG443264
1,4-Dichlorobenzene	mg/kg	.025	0.0209	83.7	72-123	WG443264
2,2-Dichloropropane	mg/kg	.025	0.0246	98.6	50-147	WG443264
2-Butanone (MEK)	mg/kg	.125	0.0991	79.3	51-131	WG443264
2-Chloroethyl vinyl ether	mg/kg	.125	0.103	82.3	0-188	WG443264
2-Chlorotoluene	mg/kg	.025	0.0231	92.6	73-128	WG443264
4-Chlorotoluene	mg/kg	.025	0.0232	92.8	72-129	WG443264
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.0993	79.4	61-143	WG443264
Acetone	mg/kg	.125	0.0913	73.0	44-140	WG443264
Acrylonitrile	mg/kg	.125	0.104	83.2	55-143	WG443264
Benzene	mg/kg	.025	0.0253	101.	65-128	WG443264
Bromobenzene	mg/kg	.025	0.0227	90.6	75-123	WG443264
Bromodichloromethane	mg/kg	.025	0.0214	85.5	66-126	WG443264
Bromoform	mg/kg	.025	0.0181	72.4	64-139	WG443264
Bromomethane	mg/kg	.025	0.0292	117.	41-175	WG443264
Carbon tetrachloride	mg/kg	.025	0.0277	111.	60-140	WG443264
Chlorobenzene	mg/kg	.025	0.0232	92.7	75-125	WG443264
Chlorodibromomethane	mg/kg	.025	0.0196	78.2	72-137	WG443264
Chloroethane	mg/kg	.025	0.0306	122.	44-159	WG443264
Chloroform	mg/kg	.025	0.0242	96.6	63-123	WG443264
Chloromethane	mg/kg	.025	0.0313	125.	42-149	WG443264
cis-1,2-Dichloroethene	mg/kg	.025	0.0257	103.	71-129	WG443264
cis-1,3-Dichloropropene	mg/kg	.025	0.0236	94.5	73-132	WG443264
Di-isopropyl ether	mg/kg	.025	0.0229	91.6	59-143	WG443264
Dibromomethane	mg/kg	.025	0.0235	94.0	70-130	WG443264
Dichlorodifluoromethane	mg/kg	.025	0.0331	132.	26-186	WG443264
Ethylbenzene	mg/kg	.025	0.0242	96.7	74-128	WG443264
Hexachloro-1,3-butadiene	mg/kg	.025	0.0219	87.5	65-137	WG443264
Isopropylbenzene	mg/kg	.025	0.0248	99.1	73-130	WG443264
Methyl tert-butyl ether	mg/kg	.025	0.0214	85.7	44-148	WG443264

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Methylene Chloride	mg/kg	.025	0.0233	93.1	57-129	WG443264
n-Butylbenzene	mg/kg	.025	0.0234	93.6	60-145	WG443264
n-Propylbenzene	mg/kg	.025	0.0241	96.5	71-132	WG443264
Naphthalene	mg/kg	.025	0.0204	81.6	61-142	WG443264
p-Isopropyltoluene	mg/kg	.025	0.0239	95.6	67-138	WG443264
sec-Butylbenzene	mg/kg	.025	0.0239	95.7	71-134	WG443264
Styrene	mg/kg	.025	0.0211	84.3	76-133	WG443264
tert-Butylbenzene	mg/kg	.025	0.0241	96.2	72-132	WG443264
Tetrachloroethene	mg/kg	.025	0.0247	98.9	65-135	WG443264
Toluene	mg/kg	.025	0.0232	92.7	70-120	WG443264
trans-1,2-Dichloroethene	mg/kg	.025	0.0297	119.	61-133	WG443264
trans-1,3-Dichloropropene	mg/kg	.025	0.0193	77.3	70-135	WG443264
Trichloroethene	mg/kg	.025	0.0254	102.	71-126	WG443264
Trichlorofluoromethane	mg/kg	.025	0.0285	114.	52-147	WG443264
Vinyl chloride	mg/kg	.025	0.0311	124.	50-151	WG443264
Xylenes, Total	mg/kg	.075	0.0720	96.0	74-127	WG443264
4-Bromofluorobenzene				99.85	59-140	WG443264
Dibromofluoromethane				103.4	63-139	WG443264
Toluene-d8				101.6	84-116	WG443264
Diesel (C7-C26)	mg/kg	30	23.5	78.4	50-150	WG442653
Motor Oil (C16-C40)	mg/kg	30	24.3	80.8	50-150	WG442653
o-Terphenyl				91.71	50-150	WG442653
Diesel (C7-C26)	mg/kg	30	28.8	96.1	50-150	WG442659
Motor Oil (C16-C40)	mg/kg	30	24.2	80.7	50-150	WG442659
o-Terphenyl				123.0	50-150	WG442659

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/MS) Low Fraction	mg/kg	5.67	5.68	113.	65-139	0.152	20	WG442801
4-Bromofluorobenzene				98.87	59-140			WG442801
Dibromofluoromethane				99.48	63-139			WG442801
Toluene-d8				101.0	84-116			WG442801
1,1,1,2-Tetrachloroethane	mg/kg	0.0224	0.0226	90.0	73-134	1.16	20	WG443276
1,1,1-Trichloroethane	mg/kg	0.0256	0.0279	102.	62-135	8.54	20	WG443276
1,1,2,2-Tetrachloroethane	mg/kg	0.0238	0.0249	95.0	74-129	4.49	20	WG443276
1,1,2-Trichloroethane	mg/kg	0.0221	0.0230	88.0	77-124	4.07	20	WG443276
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0195	0.0214	78.0	49-155	8.95	20	WG443276
1,1-Dichloroethane	mg/kg	0.0247	0.0277	99.0	61-134	11.4	20	WG443276
1,1-Dichloroethene	mg/kg	0.0244	0.0270	98.0	53-136	9.90	20	WG443276
1,1-Dichloropropene	mg/kg	0.0252	0.0281	101.	63-132	10.9	20	WG443276
1,2,3-Trichlorobenzene	mg/kg	0.0259	0.0244	104.	62-146	6.02	20	WG443276
1,2,3-Trichloropropane	mg/kg	0.0229	0.0235	92.0	70-133	2.55	20	WG443276
1,2,3-Trimethylbenzene	mg/kg	0.0240	0.0257	96.0	73-126	6.89	20	WG443276
1,2,4-Trichlorobenzene	mg/kg	0.0265	0.0255	106.	61-148	4.03	20	WG443276
1,2,4-Trimethylbenzene	mg/kg	0.0233	0.0238	93.0	68-135	2.31	20	WG443276
1,2-Dibromo-3-Chloropropane	mg/kg	0.0231	0.0238	92.0	61-134	2.89	21	WG443276
1,2-Dibromoethane	mg/kg	0.0222	0.0231	89.0	76-127	3.85	20	WG443276
1,2-Dichlorobenzene	mg/kg	0.0228	0.0243	91.0	77-123	6.39	20	WG443276
1,2-Dichloroethane	mg/kg	0.0260	0.0287	104.	58-141	9.73	20	WG443276
1,2-Dichloropropane	mg/kg	0.0233	0.0258	93.0	71-128	10.1	20	WG443276
1,3,5-Trimethylbenzene	mg/kg	0.0233	0.0241	93.0	71-133	3.52	20	WG443276
1,3-Dichlorobenzene	mg/kg	0.0213	0.0218	85.0	71-132	2.15	20	WG443276

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Quality Assurance Report
Level II

October 05, 2009

L423799

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,3-Dichloropropane	mg/kg	0.0231	0.0239	92.0	76-120	3.61	20	WG443276
1,4-Dichlorobenzene	mg/kg	0.0221	0.0236	88.0	72-123	6.44	20	WG443276
2,2-Dichloropropane	mg/kg	0.0247	0.0270	99.0	50-147	8.58	20	WG443276
2-Butanone (MEK)	mg/kg	0.129	0.139	103.	51-131	7.82	25	WG443276
2-Chloroethyl vinyl ether	mg/kg	0.187	0.213	150.	0-188	13.1	39	WG443276
2-Chlorotoluene	mg/kg	0.0236	0.0244	94.0	73-128	3.36	20	WG443276
4-Chlorotoluene	mg/kg	0.0238	0.0245	95.0	72-129	2.69	20	WG443276
4-Methyl-2-pentanone (MIBK)	mg/kg	0.132	0.142	106.	61-143	7.35	23	WG443276
Acetone	mg/kg	0.126	0.137	100.	44-140	8.94	25	WG443276
Acrylonitrile	mg/kg	0.134	0.149	107.	55-143	10.5	20	WG443276
Benzene	mg/kg	0.0251	0.0278	100.	65-128	10.3	20	WG443276
Bromobenzene	mg/kg	0.0231	0.0239	92.0	75-123	3.12	20	WG443276
Bromodichloromethane	mg/kg	0.0254	0.0276	102.	66-126	8.38	20	WG443276
Bromoform	mg/kg	0.0232	0.0240	93.0	64-139	3.35	20	WG443276
Bromomethane	mg/kg	0.0242	0.0251	97.0	41-175	3.78	20	WG443276
Carbon tetrachloride	mg/kg	0.0242	0.0263	97.0	60-140	8.34	20	WG443276
Chlorobenzene	mg/kg	0.0218	0.0225	87.0	75-125	3.02	20	WG443276
Chlorodibromomethane	mg/kg	0.0223	0.0229	89.0	72-137	2.79	20	WG443276
Chloroethane	mg/kg	0.0267	0.0286	107.	44-159	6.95	20	WG443276
Chloroform	mg/kg	0.0241	0.0262	96.0	63-123	8.14	20	WG443276
Chloromethane	mg/kg	0.0213	0.0240	85.0	42-149	12.3	20	WG443276
cis-1,2-Dichloroethene	mg/kg	0.0244	0.0267	97.0	71-129	8.99	20	WG443276
cis-1,3-Dichloropropene	mg/kg	0.0256	0.0277	102.	73-132	7.84	20	WG443276
Di-isopropyl ether	mg/kg	0.0239	0.0263	96.0	59-143	9.46	20	WG443276
Dibromomethane	mg/kg	0.0240	0.0262	96.0	70-130	8.69	20	WG443276
Dichlorodifluoromethane	mg/kg	0.0198	0.0216	79.0	26-186	8.63	22	WG443276
Ethylbenzene	mg/kg	0.0224	0.0229	89.0	74-128	2.60	20	WG443276
Hexachloro-1,3-butadiene	mg/kg	0.0228	0.0243	91.0	65-137	6.45	20	WG443276
Isopropylbenzene	mg/kg	0.0226	0.0234	90.0	73-130	3.24	20	WG443276
Methyl tert-butyl ether	mg/kg	0.0245	0.0267	98.0	44-148	8.50	20	WG443276
Methylene Chloride	mg/kg	0.0242	0.0268	97.0	57-129	10.3	20	WG443276
n-Butylbenzene	mg/kg	0.0259	0.0273	104.	60-145	5.08	20	WG443276
n-Propylbenzene	mg/kg	0.0232	0.0240	93.0	71-132	3.47	20	WG443276
Naphthalene	mg/kg	0.0342	0.0218	137.	61-142	44.4*	20	WG443276
p-Isopropyltoluene	mg/kg	0.0227	0.0236	91.0	67-138	3.70	20	WG443276
sec-Butylbenzene	mg/kg	0.0231	0.0238	92.0	71-134	3.18	20	WG443276
Styrene	mg/kg	0.0241	0.0248	96.0	76-133	2.94	20	WG443276
tert-Butylbenzene	mg/kg	0.0228	0.0235	91.0	72-132	3.17	20	WG443276
Tetrachloroethene	mg/kg	0.0196	0.0199	78.0	65-135	1.72	20	WG443276
Toluene	mg/kg	0.0241	0.0261	96.0	70-120	7.73	20	WG443276
trans-1,2-Dichloroethene	mg/kg	0.0244	0.0265	98.0	61-133	8.39	20	WG443276
trans-1,3-Dichloropropene	mg/kg	0.0262	0.0286	105.	70-135	8.62	20	WG443276
Trichloroethene	mg/kg	0.0215	0.0230	86.0	71-126	6.78	20	WG443276
Trichlorofluoromethane	mg/kg	0.0252	0.0276	101.	52-147	9.10	20	WG443276
Vinyl chloride	mg/kg	0.0235	0.0260	94.0	50-151	9.99	20	WG443276
Xylenes, Total	mg/kg	0.0675	0.0695	90.0	74-127	3.01	20	WG443276
4-Bromofluorobenzene				95.69	59-140			WG443276
Dibromofluoromethane				105.7	63-139			WG443276
Toluene-d8				102.1	84-116			WG443276
1,1,1,2-Tetrachloroethane	mg/kg	0.0226	0.0234	90.0	73-134	3.65	20	WG443264
1,1,1-Trichloroethane	mg/kg	0.0243	0.0253	97.0	62-135	4.32	20	WG443264
1,1,2,2-Tetrachloroethane	mg/kg	0.0199	0.0211	80.0	74-129	5.88	20	WG443264
1,1,2-Trichloroethane	mg/kg	0.0207	0.0217	83.0	77-124	4.60	20	WG443264
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0264	0.0274	106.	49-155	3.64	20	WG443264
1,1-Dichloroethane	mg/kg	0.0242	0.0254	97.0	61-134	5.21	20	WG443264
1,1-Dichloroethene	mg/kg	0.0269	0.0285	108.	53-136	5.63	20	WG443264
1,1-Dichloropropene	mg/kg	0.0278	0.0284	111.	63-132	2.05	20	WG443264

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L423799

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2,3-Trichlorobenzene	mg/kg	0.0199	0.0206	80.0	62-146	3.48	20	WG443264
1,2,3-Trichloropropane	mg/kg	0.0200	0.0213	80.0	70-133	6.16	20	WG443264
1,2,3-Trimethylbenzene	mg/kg	0.0216	0.0221	86.0	73-126	2.42	20	WG443264
1,2,4-Trichlorobenzene	mg/kg	0.0194	0.0205	77.0	61-148	5.56	20	WG443264
1,2,4-Trimethylbenzene	mg/kg	0.0226	0.0235	90.0	68-135	3.94	20	WG443264
1,2-Dibromo-3-Chloropropane	mg/kg	0.0173	0.0184	69.0	61-134	6.40	21	WG443264
1,2-Dibromoethane	mg/kg	0.0223	0.0228	89.0	76-127	2.10	20	WG443264
1,2-Dichlorobenzene	mg/kg	0.0211	0.0216	84.0	77-123	2.22	20	WG443264
1,2-Dichloroethane	mg/kg	0.0230	0.0237	92.0	58-141	3.22	20	WG443264
1,2-Dichloropropane	mg/kg	0.0238	0.0245	95.0	71-128	2.88	20	WG443264
1,3,5-Trimethylbenzene	mg/kg	0.0234	0.0242	94.0	71-133	3.21	20	WG443264
1,3-Dichlorobenzene	mg/kg	0.0213	0.0221	85.0	71-132	3.70	20	WG443264
1,3-Dichloropropane	mg/kg	0.0208	0.0218	83.0	76-120	4.87	20	WG443264
1,4-Dichlorobenzene	mg/kg	0.0203	0.0209	81.0	72-123	3.32	20	WG443264
2,2-Dichloropropane	mg/kg	0.0239	0.0246	96.0	50-147	2.88	20	WG443264
2-Butanone (MEK)	mg/kg	0.0925	0.0991	74.0	51-131	6.86	25	WG443264
2-Chloroethyl vinyl ether	mg/kg	0.0979	0.103	78.0	0-188	5.06	39	WG443264
2-Chlorotoluene	mg/kg	0.0223	0.0231	89.0	73-128	3.51	20	WG443264
4-Chlorotoluene	mg/kg	0.0223	0.0232	89.0	72-129	4.10	20	WG443264
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0908	0.0993	73.0	61-143	8.90	23	WG443264
Acetone	mg/kg	0.0845	0.0913	68.0	44-140	7.79	25	WG443264
Acrylonitrile	mg/kg	0.0985	0.104	79.0	55-143	5.41	20	WG443264
Benzene	mg/kg	0.0247	0.0253	99.0	65-128	2.52	20	WG443264
Bromobenzene	mg/kg	0.0217	0.0227	87.0	75-123	4.40	20	WG443264
Bromodichloromethane	mg/kg	0.0204	0.0214	82.0	66-126	4.48	20	WG443264
Bromoform	mg/kg	0.0176	0.0181	70.0	64-139	3.04	20	WG443264
Bromomethane	mg/kg	0.0287	0.0292	115.	41-175	1.65	20	WG443264
Carbon tetrachloride	mg/kg	0.0269	0.0277	108.	60-140	3.03	20	WG443264
Chlorobenzene	mg/kg	0.0221	0.0232	88.0	75-125	4.65	20	WG443264
Chlorodibromomethane	mg/kg	0.0192	0.0196	77.0	72-137	1.66	20	WG443264
Chloroethane	mg/kg	0.0298	0.0306	119.	44-159	2.40	20	WG443264
Chloroform	mg/kg	0.0235	0.0242	94.0	63-123	2.97	20	WG443264
Chloromethane	mg/kg	0.0295	0.0313	118.	42-149	5.89	20	WG443264
cis-1,2-Dichloroethene	mg/kg	0.0246	0.0257	98.0	71-129	4.45	20	WG443264
cis-1,3-Dichloropropene	mg/kg	0.0223	0.0236	89.0	73-132	5.79	20	WG443264
Di-isopropyl ether	mg/kg	0.0219	0.0229	88.0	59-143	4.34	20	WG443264
Dibromomethane	mg/kg	0.0226	0.0235	90.0	70-130	4.04	20	WG443264
Dichlorodifluoromethane	mg/kg	0.0312	0.0331	125.	26-186	5.89	22	WG443264
Ethylbenzene	mg/kg	0.0232	0.0242	93.0	74-128	3.95	20	WG443264
Hexachloro-1,3-butadiene	mg/kg	0.0208	0.0219	83.0	65-137	5.22	20	WG443264
Isopropylbenzene	mg/kg	0.0239	0.0248	96.0	73-130	3.62	20	WG443264
Methyl tert-butyl ether	mg/kg	0.0204	0.0214	82.0	44-148	5.01	20	WG443264
Methylene Chloride	mg/kg	0.0228	0.0233	91.0	57-129	2.15	20	WG443264
n-Butylbenzene	mg/kg	0.0225	0.0234	90.0	60-145	3.90	20	WG443264
n-Propylbenzene	mg/kg	0.0232	0.0241	93.0	71-132	3.87	20	WG443264
Naphthalene	mg/kg	0.0196	0.0204	78.0	61-142	4.07	20	WG443264
p-Isopropyltoluene	mg/kg	0.0229	0.0239	91.0	67-138	4.39	20	WG443264
sec-Butylbenzene	mg/kg	0.0232	0.0239	93.0	71-134	3.11	20	WG443264
Styrene	mg/kg	0.0205	0.0211	82.0	76-133	2.94	20	WG443264
tert-Butylbenzene	mg/kg	0.0232	0.0241	93.0	72-132	3.77	20	WG443264
Tetrachloroethene	mg/kg	0.0244	0.0247	98.0	65-135	1.21	20	WG443264
Toluene	mg/kg	0.0226	0.0232	90.0	70-120	2.47	20	WG443264
trans-1,2-Dichloroethene	mg/kg	0.0285	0.0297	114.	61-133	4.24	20	WG443264
trans-1,3-Dichloropropene	mg/kg	0.0191	0.0193	76.0	70-135	1.47	20	WG443264
Trichloroethene	mg/kg	0.0248	0.0254	99.0	71-126	2.31	20	WG443264
Trichlorofluoromethane	mg/kg	0.0274	0.0285	110.	52-147	4.03	20	WG443264
Vinyl chloride	mg/kg	0.0300	0.0311	120.	50-151	3.48	20	WG443264
Xylenes, Total	mg/kg	0.0698	0.0720	93.0	74-127	3.14	20	WG443264
4-Bromofluorobenzene				99.27	59-140			WG443264

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Quality Assurance Report
Level II

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L423799

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Dibromofluoromethane				103.4	63-139			
Toluene-d8				100.9	84-116			
Diesel (C7-C26)	mg/kg	26.9	23.5	90.0	50-150	13.5	20	WG442653
Motor Oil (C16-C40)	mg/kg	25.8	24.3	86.0	50-150	6.27	25	WG442653
o-Terphenyl				100.8	50-150			WG442653
Diesel (C7-C26)	mg/kg	25.4	28.8	84.0	50-150	12.7	20	WG442659
Motor Oil (C16-C40)	mg/kg	19.4	24.2	64.0	50-150	22.3	25	WG442659
o-Terphenyl				106.6	50-150			WG442659

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/MS) Low Fraction	mg/kg	7.45	0	5	29.8	10-149	L423799-09	WG442801
4-Bromofluorobenzene					87.10	59-140		WG442801
Dibromofluoromethane					99.10	63-139		WG442801
Toluene-d8					97.80	84-116		WG442801
1,1,1,2-Tetrachloroethane	mg/kg	0.104	0	.025	83.5	29-145	L423289-01	WG443276
1,1,1-Trichloroethane	mg/kg	0.125	0	.025	99.8	23-147	L423289-01	WG443276
1,1,2,2-Tetrachloroethane	mg/kg	0.110	0	.025	88.1	18-150	L423289-01	WG443276
1,1,2-Trichloroethane	mg/kg	0.103	0	.025	82.5	35-140	L423289-01	WG443276
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0901	0	.025	72.0	10-145	L423289-01	WG443276
1,1-Dichloroethane	mg/kg	0.125	0	.025	99.9	24-148	L423289-01	WG443276
1,1-Dichloroethene	mg/kg	0.126	0	.025	101.	10-149	L423289-01	WG443276
1,1-Dichloropropene	mg/kg	0.124	0	.025	98.8	10-141	L423289-01	WG443276
1,2,3-Trichlorobenzene	mg/kg	0.107	0	.025	85.4	10-129	L423289-01	WG443276
1,2,3-Trichloropropane	mg/kg	0.106	0	.025	85.0	30-148	L423289-01	WG443276
1,2,3-Trimethylbenzene	mg/kg	0.113	0	.025	90.1	10-137	L423289-01	WG443276
1,2,4-Trichlorobenzene	mg/kg	0.107	0	.025	85.7	10-119	L423289-01	WG443276
1,2,4-Trimethylbenzene	mg/kg	0.104	0	.025	83.2	10-145	L423289-01	WG443276
1,2-Dibromo-3-Chloropropane	mg/kg	0.107	0	.025	85.5	19-145	L423289-01	WG443276
1,2-Dibromoethane	mg/kg	0.104	0	.025	83.4	24-145	L423289-01	WG443276
1,2-Dichlorobenzene	mg/kg	0.105	0	.025	84.2	12-130	L423289-01	WG443276
1,2-Dichloroethane	mg/kg	0.127	0	.025	101.	21-155	L423289-01	WG443276
1,2-Dichloropropane	mg/kg	0.115	0	.025	91.7	28-144	L423289-01	WG443276
1,3,5-Trimethylbenzene	mg/kg	0.105	0	.025	84.0	10-135	L423289-01	WG443276
1,3-Dichlorobenzene	mg/kg	0.0939	0	.025	75.1	10-129	L423289-01	WG443276
1,3-Dichloropropane	mg/kg	0.107	0	.025	86.0	31-137	L423289-01	WG443276
1,4-Dichlorobenzene	mg/kg	0.0987	0	.025	79.0	10-121	L423289-01	WG443276
2,2-Dichloropropane	mg/kg	0.123	0	.025	98.6	18-144	L423289-01	WG443276
2-Butanone (MEK)	mg/kg	0.598	0	.125	95.6	21-143	L423289-01	WG443276
2-Chloroethyl vinyl ether	mg/kg	0.853	0	.125	136.	0-176	L423289-01	WG443276
2-Chlorotoluene	mg/kg	0.107	0	.025	85.7	10-132	L423289-01	WG443276
4-Chlorotoluene	mg/kg	0.106	0	.025	84.9	10-129	L423289-01	WG443276
4-Methyl-2-pentanone (MIBK)	mg/kg	0.606	0	.125	97.0	31-151	L423289-01	WG443276
Acetone	mg/kg	0.597	0	.125	95.6	13-158	L423289-01	WG443276
Acrylonitrile	mg/kg	0.640	0	.125	102.	20-154	L423289-01	WG443276
Benzene	mg/kg	0.124	0	.025	99.4	16-143	L423289-01	WG443276
Bromobenzene	mg/kg	0.106	0	.025	84.9	14-135	L423289-01	WG443276
Bromodichloromethane	mg/kg	0.123	0	.025	98.6	27-139	L423289-01	WG443276
Bromoform	mg/kg	0.108	0	.025	86.4	21-144	L423289-01	WG443276
Bromomethane	mg/kg	0.122	0	.025	97.5	0-180	L423289-01	WG443276
Carbon tetrachloride	mg/kg	0.121	0	.025	96.8	12-149	L423289-01	WG443276
Chlorobenzene	mg/kg	0.102	0	.025	81.5	17-134	L423289-01	WG443276
Chlorodibromomethane	mg/kg	0.104	0	.025	83.3	28-147	L423289-01	WG443276
Chloroethane	mg/kg	0.135	0	.025	108.	0-172	L423289-01	WG443276

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Quality Assurance Report
Level II

October 05, 2009

L423799

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chloroform	mg/kg	0.120	0	.025	95.9	28-138	L423289-01	WG443276
Chloromethane	mg/kg	0.108	0	.025	86.5	10-158	L423289-01	WG443276
cis-1,2-Dichloroethene	mg/kg	0.120	0	.025	95.6	21-147	L423289-01	WG443276
cis-1,3-Dichloropropene	mg/kg	0.124	0	.025	99.5	17-145	L423289-01	WG443276
Di-isopropyl ether	mg/kg	0.117	0	.025	93.3	31-153	L423289-01	WG443276
Dibromomethane	mg/kg	0.118	0	.025	94.4	24-147	L423289-01	WG443276
Dichlorodifluoromethane	mg/kg	0.0952	0	.025	76.1	0-192	L423289-01	WG443276
Ethylbenzene	mg/kg	0.104	0	.025	82.9	12-137	L423289-01	WG443276
Hexachloro-1,3-butadiene	mg/kg	0.0866	0	.025	69.3	10-123	L423289-01	WG443276
Isopropylbenzene	mg/kg	0.105	0	.025	83.6	14-134	L423289-01	WG443276
Methyl tert-butyl ether	mg/kg	0.117	0	.025	93.6	21-157	L423289-01	WG443276
Methylene Chloride	mg/kg	0.119	0	.025	95.0	12-149	L423289-01	WG443276
n-Butylbenzene	mg/kg	0.109	0	.025	87.5	10-130	L423289-01	WG443276
n-Propylbenzene	mg/kg	0.104	0	.025	83.2	10-130	L423289-01	WG443276
Naphthalene	mg/kg	0.152	0	.025	122.	0-146	L423289-01	WG443276
p-Isopropyltoluene	mg/kg	0.0990	0	.025	79.2	10-131	L423289-01	WG443276
sec-Butylbenzene	mg/kg	0.102	0	.025	81.6	10-134	L423289-01	WG443276
Styrene	mg/kg	0.112	0	.025	89.3	10-140	L423289-01	WG443276
tert-Butylbenzene	mg/kg	0.104	0	.025	83.2	11-137	L423289-01	WG443276
Tetrachloroethene	mg/kg	0.0877	0	.025	70.2	10-131	L423289-01	WG443276
Toluene	mg/kg	0.115	0	.025	91.9	12-136	L423289-01	WG443276
trans-1,2-Dichloroethene	mg/kg	0.121	0	.025	96.7	10-143	L423289-01	WG443276
trans-1,3-Dichloropropene	mg/kg	0.125	0	.025	100.	16-147	L423289-01	WG443276
Trichloroethene	mg/kg	0.103	0	.025	82.6	10-155	L423289-01	WG443276
Trichlorofluoromethane	mg/kg	0.124	0	.025	98.9	10-154	L423289-01	WG443276
Vinyl chloride	mg/kg	0.121	0	.025	96.7	10-159	L423289-01	WG443276
Xylenes, Total	mg/kg	0.313	0	.075	83.4	10-138	L423289-01	WG443276
4-Bromofluorobenzene					93.89	59-140		WG443276
Dibromofluoromethane					108.2	63-139		WG443276
Toluene-d8					103.0	84-116		WG443276
1,1,1,2-Tetrachloroethane	mg/kg	0.0821	0	.025	65.7	29-145	L423799-09	WG443264
1,1,1-Trichloroethane	mg/kg	0.172	0.0730	.025	79.4	23-147	L423799-09	WG443264
1,1,2,2-Tetrachloroethane	mg/kg	0.0773	0	.025	61.9	18-150	L423799-09	WG443264
1,1,2-Trichloroethane	mg/kg	0.0963	0	.025	77.0	35-140	L423799-09	WG443264
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.105	0	.025	84.1	10-145	L423799-09	WG443264
1,1-Dichloroethane	mg/kg	0.130	0	.025	104.	24-148	L423799-09	WG443264
1,1-Dichloroethene	mg/kg	0.142	0	.025	114.	10-149	L423799-09	WG443264
1,1-Dichloropropene	mg/kg	0.122	0	.025	97.3	10-141	L423799-09	WG443264
1,2,3-Trichlorobenzene	mg/kg	0.0472	0	.025	37.7	10-129	L423799-09	WG443264
1,2,3-Trichloropropane	mg/kg	0.0828	0	.025	66.2	30-148	L423799-09	WG443264
1,2,3-Trimethylbenzene	mg/kg	0.0921	0.00580	.025	69.1	10-137	L423799-09	WG443264
1,2,4-Trichlorobenzene	mg/kg	0.0462	0	.025	37.0	10-119	L423799-09	WG443264
1,2,4-Trimethylbenzene	mg/kg	0.0468	0.00520	.025	33.3	10-145	L423799-09	WG443264
1,2-Dibromo-3-Chloropropane	mg/kg	0.133	0	.025	106.	19-145	L423799-09	WG443264
1,2-Dibromoethane	mg/kg	0.0967	0	.025	77.4	24-145	L423799-09	WG443264
1,2-Dichlorobenzene	mg/kg	0.0949	0	.025	75.9	12-130	L423799-09	WG443264
1,2-Dichloroethane	mg/kg	0.115	0	.025	91.6	21-155	L423799-09	WG443264
1,2-Dichloropropane	mg/kg	0.107	0	.025	85.9	28-144	L423799-09	WG443264
1,3,5-Trimethylbenzene	mg/kg	0.0457	0	.025	36.6	10-135	L423799-09	WG443264
1,3-Dichlorobenzene	mg/kg	0.0388	0	.025	31.1	10-129	L423799-09	WG443264
1,3-Dichloropropane	mg/kg	0.0990	0	.025	79.2	31-137	L423799-09	WG443264
1,4-Dichlorobenzene	mg/kg	0.0887	0	.025	71.0	10-121	L423799-09	WG443264
2,2-Dichloropropane	mg/kg	0.119	0	.025	94.8	18-144	L423799-09	WG443264
2-Butanone (MEK)	mg/kg	0.496	0	.125	79.4	21-143	L423799-09	WG443264
2-Chloroethyl vinyl ether	mg/kg	0.456	0	.125	73.0	0-176	L423799-09	WG443264
2-Chlorotoluene	mg/kg	0.0497	0	.025	39.7	10-132	L423799-09	WG443264
4-Chlorotoluene	mg/kg	0.0494	0	.025	39.5	10-129	L423799-09	WG443264

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Level II

L423799

October 05, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Methyl-2-pentanone (MIBK)	mg/kg	0.459	0	.125	73.4	31-151	L423799-09	WG443264
Acetone	mg/kg	0.523	0	.125	83.6	13-158	L423799-09	WG443264
Acrylonitrile	mg/kg	0.529	0	.125	84.6	20-154	L423799-09	WG443264
Benzene	mg/kg	0.121	0	.025	96.5	16-143	L423799-09	WG443264
Bromobenzene	mg/kg	0.0568	0	.025	45.4	14-135	L423799-09	WG443264
Bromodichloromethane	mg/kg	0.0894	0	.025	71.5	27-139	L423799-09	WG443264
Bromoform	mg/kg	0.0614	0	.025	49.1	21-144	L423799-09	WG443264
Bromomethane	mg/kg	0.142	0	.025	113.	0-180	L423799-09	WG443264
Carbon tetrachloride	mg/kg	0.112	0	.025	89.4	12-149	L423799-09	WG443264
Chlorobenzene	mg/kg	0.0784	0	.025	62.8	17-134	L423799-09	WG443264
Chlorodibromomethane	mg/kg	0.0798	0	.025	63.8	28-147	L423799-09	WG443264
Chloroethane	mg/kg	0.150	0	.025	120.	0-172	L423799-09	WG443264
Chloroform	mg/kg	0.117	0	.025	93.6	28-138	L423799-09	WG443264
Chloromethane	mg/kg	0.139	0	.025	111.	10-158	L423799-09	WG443264
cis-1,2-Dichloroethene	mg/kg	0.126	0	.025	101.	21-147	L423799-09	WG443264
cis-1,3-Dichloropropene	mg/kg	0.0997	0	.025	79.7	17-145	L423799-09	WG443264
Di-isopropyl ether	mg/kg	0.111	0	.025	89.1	31-153	L423799-09	WG443264
Dibromomethane	mg/kg	0.104	0	.025	83.1	24-147	L423799-09	WG443264
Dichlorodifluoromethane	mg/kg	0.123	0	.025	98.7	0-192	L423799-09	WG443264
Ethylbenzene	mg/kg	0.0730	0	.025	58.4	12-137	L423799-09	WG443264
Hexachloro-1,3-butadiene	mg/kg	0.0381	0	.025	30.5	10-123	L423799-09	WG443264
Isopropylbenzene	mg/kg	0.0578	0	.025	46.2	14-134	L423799-09	WG443264
Methyl tert-butyl ether	mg/kg	0.105	0	.025	83.9	21-157	L423799-09	WG443264
Methylene Chloride	mg/kg	0.119	0	.025	95.4	12-149	L423799-09	WG443264
n-Butylbenzene	mg/kg	0.0933	0	.025	74.7	10-130	L423799-09	WG443264
n-Propylbenzene	mg/kg	0.0518	0	.025	41.4	10-130	L423799-09	WG443264
Naphthalene	mg/kg	0.0800	0	.025	64.0	0-146	L423799-09	WG443264
p-Isopropyltoluene	mg/kg	0.0385	0	.025	30.8	10-131	L423799-09	WG443264
sec-Butylbenzene	mg/kg	0.0427	0	.025	34.2	10-134	L423799-09	WG443264
Styrene	mg/kg	0.0600	0	.025	48.0	10-140	L423799-09	WG443264
tert-Butylbenzene	mg/kg	0.0462	0	.025	37.0	11-137	L423799-09	WG443264
Tetrachloroethene	mg/kg	0.0907	0.0170	.025	58.9	10-131	L423799-09	WG443264
Toluene	mg/kg	0.0908	0	.025	72.6	12-136	L423799-09	WG443264
trans-1,2-Dichloroethene	mg/kg	0.148	0	.025	118.	10-143	L423799-09	WG443264
trans-1,3-Dichloropropene	mg/kg	0.0824	0	.025	65.9	16-147	L423799-09	WG443264
Trichloroethene	mg/kg	0.108	0.00570	.025	82.2	10-155	L423799-09	WG443264
Trichlorofluoromethane	mg/kg	0.123	0	.025	98.5	10-154	L423799-09	WG443264
Vinyl chloride	mg/kg	0.134	0	.025	107.	10-159	L423799-09	WG443264
Xylenes, Total	mg/kg	0.205	0	.075	54.7	10-138	L423799-09	WG443264
4-Bromofluorobenzene					63.24	59-140		WG443264
Dibromofluoromethane					115.7	63-139		WG443264
Toluene-d8					85.68	84-116		WG443264
Diesel (C7-C26)	mg/kg	20.0	0	30	66.6	50-150	L423799-07	WG442653
Motor Oil (C16-C40)	mg/kg	14.2	0	30	47.2*	50-150	L423799-07	WG442653
o-Terphenyl					81.10	50-150		WG442653
Diesel (C7-C26)	mg/kg	27.6	0	30	92.0	50-150	L423799-16	WG442659
Motor Oil (C16-C40)	mg/kg	24.5	0	30	81.5	50-150	L423799-16	WG442659
o-Terphenyl					99.53	50-150		WG442659

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/MS) Low Fraction	mg/kg	7.36	7.45	29.4	10-149	1.30	46	L423799-09	WG442801
4-Bromofluorobenzene				90.88	59-140				WG442801
Dibromofluoromethane				99.47	63-139				WG442801

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Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Toluene-d8				98.53	84-116				
1,1,1,2-Tetrachloroethane	mg/kg	0.0988	0.104	79.0	29-145	5.58	31	L423289-01	WG443276
1,1,1-Trichloroethane	mg/kg	0.118	0.125	94.2	23-147	5.86	32	L423289-01	WG443276
1,1,2,2-Tetrachloroethane	mg/kg	0.110	0.110	87.7	18-150	0.419	33	L423289-01	WG443276
1,1,2-Trichloroethane	mg/kg	0.0979	0.103	78.3	35-140	5.25	29	L423289-01	WG443276
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0828	0.0901	66.2	10-145	8.39	35	L423289-01	WG443276
1,1-Dichloroethane	mg/kg	0.115	0.125	92.2	24-148	7.99	31	L423289-01	WG443276
1,1-Dichloroethene	mg/kg	0.116	0.126	92.9	10-149	8.32	34	L423289-01	WG443276
1,1-Dichloropropene	mg/kg	0.115	0.124	92.0	10-141	7.20	34	L423289-01	WG443276
1,2,3-Trichlorobenzene	mg/kg	0.104	0.107	83.6	10-129	2.18	43	L423289-01	WG443276
1,2,3-Trichloropropane	mg/kg	0.105	0.106	83.8	30-148	1.45	32	L423289-01	WG443276
1,2,3-Trimethylbenzene	mg/kg	0.105	0.113	83.9	10-137	7.07	36	L423289-01	WG443276
1,2,4-Trichlorobenzene	mg/kg	0.102	0.107	81.8	10-119	4.59	44	L423289-01	WG443276
1,2,4-Trimethylbenzene	mg/kg	0.0965	0.104	77.2	10-145	7.50	41	L423289-01	WG443276
1,2-Dibromo-3-Chloropropane	mg/kg	0.110	0.107	88.3	19-145	3.20	35	L423289-01	WG443276
1,2-Dibromoethane	mg/kg	0.102	0.104	81.6	24-145	2.25	31	L423289-01	WG443276
1,2-Dichlorobenzene	mg/kg	0.0985	0.105	78.8	12-130	6.62	35	L423289-01	WG443276
1,2-Dichloroethane	mg/kg	0.120	0.127	96.1	21-155	5.25	29	L423289-01	WG443276
1,2-Dichloropropane	mg/kg	0.106	0.115	85.1	28-144	7.42	30	L423289-01	WG443276
1,3,5-Trimethylbenzene	mg/kg	0.0982	0.105	78.6	10-135	6.65	39	L423289-01	WG443276
1,3-Dichlorobenzene	mg/kg	0.0880	0.0939	70.4	10-129	6.50	38	L423289-01	WG443276
1,3-Dichloropropane	mg/kg	0.104	0.107	83.3	31-137	3.12	29	L423289-01	WG443276
1,4-Dichlorobenzene	mg/kg	0.0921	0.0987	73.7	10-121	6.90	36	L423289-01	WG443276
2,2-Dichloropropane	mg/kg	0.114	0.123	91.2	18-144	7.74	32	L423289-01	WG443276
2-Butanone (MEK)	mg/kg	0.634	0.598	101.	21-143	5.92	37	L423289-01	WG443276
2-Chloroethyl vinyl ether	mg/kg	0.840	0.853	134.	0-176	1.48	50	L423289-01	WG443276
2-Chlorotoluene	mg/kg	0.100	0.107	80.3	10-132	6.51	37	L423289-01	WG443276
4-Chlorotoluene	mg/kg	0.100	0.106	80.1	10-129	5.79	38	L423289-01	WG443276
4-Methyl-2-pentanone (MIBK)	mg/kg	0.649	0.606	104.	31-151	6.88	36	L423289-01	WG443276
Acetone	mg/kg	0.631	0.597	101.	13-158	5.49	34	L423289-01	WG443276
Acrylonitrile	mg/kg	0.662	0.640	106.	20-154	3.43	35	L423289-01	WG443276
Benzene	mg/kg	0.115	0.124	92.1	16-143	7.65	31	L423289-01	WG443276
Bromobenzene	mg/kg	0.0984	0.106	78.7	14-135	7.50	39	L423289-01	WG443276
Bromodichloromethane	mg/kg	0.116	0.123	93.0	27-139	5.81	30	L423289-01	WG443276
Bromoform	mg/kg	0.106	0.108	84.6	21-144	2.13	34	L423289-01	WG443276
Bromomethane	mg/kg	0.107	0.122	85.9	0-180	12.7	41	L423289-01	WG443276
Carbon tetrachloride	mg/kg	0.110	0.121	88.2	12-149	9.32	34	L423289-01	WG443276
Chlorobenzene	mg/kg	0.0956	0.102	76.5	17-134	6.37	34	L423289-01	WG443276
Chlorodibromomethane	mg/kg	0.0998	0.104	79.8	28-147	4.21	32	L423289-01	WG443276
Chloroethane	mg/kg	0.123	0.135	98.5	0-172	9.35	38	L423289-01	WG443276
Chloroform	mg/kg	0.110	0.120	87.7	28-138	8.94	30	L423289-01	WG443276
Chloromethane	mg/kg	0.0994	0.108	79.5	10-158	8.37	35	L423289-01	WG443276
cis-1,2-Dichloroethene	mg/kg	0.111	0.120	88.7	21-147	7.53	31	L423289-01	WG443276
cis-1,3-Dichloropropene	mg/kg	0.117	0.124	93.9	17-145	5.75	32	L423289-01	WG443276
Di-isopropyl ether	mg/kg	0.111	0.117	88.6	31-153	5.16	29	L423289-01	WG443276
Dibromomethane	mg/kg	0.113	0.118	90.4	24-147	4.33	30	L423289-01	WG443276
Dichlorodifluoromethane	mg/kg	0.0863	0.0952	69.1	0-192	9.72	38	L423289-01	WG443276
Ethylbenzene	mg/kg	0.0982	0.104	78.5	12-137	5.36	36	L423289-01	WG443276
Hexachloro-1,3-butadiene	mg/kg	0.0818	0.0866	65.4	10-123	5.77	50	L423289-01	WG443276
Isopropylbenzene	mg/kg	0.0972	0.105	77.8	14-134	7.22	37	L423289-01	WG443276
Methyl tert-butyl ether	mg/kg	0.113	0.117	90.0	21-157	3.86	31	L423289-01	WG443276
Methylene Chloride	mg/kg	0.111	0.119	88.9	12-149	6.64	31	L423289-01	WG443276
n-Butylbenzene	mg/kg	0.101	0.109	81.1	10-130	7.61	48	L423289-01	WG443276
n-Propylbenzene	mg/kg	0.0969	0.104	77.5	10-130	7.07	40	L423289-01	WG443276
Naphthalene	mg/kg	0.158	0.152	126.	0-146	3.67	43	L423289-01	WG443276
p-Isopropyltoluene	mg/kg	0.0912	0.0990	72.9	10-131	8.26	43	L423289-01	WG443276
sec-Butylbenzene	mg/kg	0.0950	0.102	76.0	10-134	7.10	43	L423289-01	WG443276
Styrene	mg/kg	0.105	0.112	83.7	10-140	6.51	35	L423289-01	WG443276
tert-Butylbenzene	mg/kg	0.0972	0.104	77.8	11-137	6.78	39	L423289-01	WG443276

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ENVIRONMENTAL
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Est. 1970

Sundance Environmental Consultants, Inc.
Alex Becker
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Parker, CO 80134

Quality Assurance Report
Level II

L423799

October 05, 2009

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Tetrachloroethene	mg/kg	0.0845	0.0877	67.6	10-131	3.78	35	L423289-01	WG443276
Toluene	mg/kg	0.110	0.115	87.7	12-136	4.69	32	L423289-01	WG443276
trans-1,2-Dichloroethene	mg/kg	0.110	0.121	87.8	10-143	9.66	33	L423289-01	WG443276
trans-1,3-Dichloropropene	mg/kg	0.120	0.125	96.1	16-147	4.08	32	L423289-01	WG443276
Trichloroethene	mg/kg	0.0990	0.103	79.2	10-155	4.24	33	L423289-01	WG443276
Trichlorofluoromethane	mg/kg	0.112	0.124	89.7	10-154	9.82	32	L423289-01	WG443276
Vinyl chloride	mg/kg	0.110	0.121	88.1	10-159	9.30	36	L423289-01	WG443276
Xylenes, Total	mg/kg	0.293	0.313	78.2	10-138	6.45	36	L423289-01	WG443276
4-Bromofluorobenzene				93.69	59-140				WG443276
Dibromofluoromethane				105.6	63-139				WG443276
Toluene-d8				103.0	84-116				WG443276
1,1,1,2-Tetrachloroethane	mg/kg	0.0863	0.0821	69.1	29-145	4.99	31	L423799-09	WG443264
1,1,1-Trichloroethane	mg/kg	0.192	0.172	95.3	23-147	10.9	32	L423799-09	WG443264
1,1,2,2-Tetrachloroethane	mg/kg	0.0847	0.0773	67.8	18-150	9.09	33	L423799-09	WG443264
1,1,2-Trichloroethane	mg/kg	0.102	0.0963	81.5	35-140	5.61	29	L423799-09	WG443264
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.119	0.105	95.1	10-145	12.2	35	L423799-09	WG443264
1,1-Dichloroethane	mg/kg	0.129	0.130	103.	24-148	0.786	31	L423799-09	WG443264
1,1-Dichloroethene	mg/kg	0.143	0.142	114.	10-149	0.488	34	L423799-09	WG443264
1,1-Dichloropropene	mg/kg	0.127	0.122	101.	10-141	4.09	34	L423799-09	WG443264
1,2,3-Trichlorobenzene	mg/kg	0.0398	0.0472	31.8	10-129	17.0	43	L423799-09	WG443264
1,2,3-Trichloropropane	mg/kg	0.0878	0.0828	70.2	30-148	5.86	32	L423799-09	WG443264
1,2,3-Trimethylbenzene	mg/kg	0.105	0.0921	79.3	10-137	13.0	36	L423799-09	WG443264
1,2,4-Trichlorobenzene	mg/kg	0.0443	0.0462	35.5	10-119	4.17	44	L423799-09	WG443264
1,2,4-Trimethylbenzene	mg/kg	0.0516	0.0468	37.1	10-145	9.71	41	L423799-09	WG443264
1,2-Dibromo-3-Chloropropane	mg/kg	0.150	0.133	120.	19-145	11.9	35	L423799-09	WG443264
1,2-Dibromoethane	mg/kg	0.103	0.0967	82.6	24-145	6.58	31	L423799-09	WG443264
1,2-Dichlorobenzene	mg/kg	0.103	0.0949	82.5	12-130	8.24	35	L423799-09	WG443264
1,2-Dichloroethane	mg/kg	0.120	0.115	96.2	21-155	4.88	29	L423799-09	WG443264
1,2-Dichloropropane	mg/kg	0.110	0.107	88.2	28-144	2.63	30	L423799-09	WG443264
1,3,5-Trimethylbenzene	mg/kg	0.0531	0.0457	42.4	10-135	14.9	39	L423799-09	WG443264
1,3-Dichlorobenzene	mg/kg	0.0416	0.0388	33.2	10-129	6.78	38	L423799-09	WG443264
1,3-Dichloropropane	mg/kg	0.102	0.0990	81.8	31-137	3.28	29	L423799-09	WG443264
1,4-Dichlorobenzene	mg/kg	0.0996	0.0887	79.7	10-121	11.5	36	L423799-09	WG443264
2,2-Dichloropropane	mg/kg	0.122	0.119	97.5	18-144	2.83	32	L423799-09	WG443264
2-Butanone (MEK)	mg/kg	0.596	0.496	95.3	21-143	18.2	37	L423799-09	WG443264
2-Chloroethyl vinyl ether	mg/kg	0.490	0.456	78.4	0-176	7.13	50	L423799-09	WG443264
2-Chlorotoluene	mg/kg	0.0560	0.0497	44.8	10-132	11.9	37	L423799-09	WG443264
4-Chlorotoluene	mg/kg	0.0540	0.0494	43.2	10-129	8.84	38	L423799-09	WG443264
4-Methyl-2-pentanone (MIBK)	mg/kg	0.539	0.459	86.2	31-151	16.1	36	L423799-09	WG443264
Acetone	mg/kg	0.590	0.523	94.4	13-158	12.2	34	L423799-09	WG443264
Acrylonitrile	mg/kg	0.599	0.529	95.8	20-154	12.4	35	L423799-09	WG443264
Benzene	mg/kg	0.123	0.121	98.2	16-143	1.78	31	L423799-09	WG443264
Bromobenzene	mg/kg	0.0608	0.0568	48.6	14-135	6.76	39	L423799-09	WG443264
Bromodichloromethane	mg/kg	0.0919	0.0894	73.5	27-139	2.78	30	L423799-09	WG443264
Bromoform	mg/kg	0.0681	0.0614	54.4	21-144	10.3	34	L423799-09	WG443264
Bromomethane	mg/kg	0.136	0.142	109.	0-180	3.96	41	L423799-09	WG443264
Carbon tetrachloride	mg/kg	0.121	0.112	96.6	12-149	7.80	34	L423799-09	WG443264
Chlorobenzene	mg/kg	0.0826	0.0784	66.1	17-134	5.18	34	L423799-09	WG443264
Chlorodibromomethane	mg/kg	0.0859	0.0798	68.7	28-147	7.43	32	L423799-09	WG443264
Chloroethane	mg/kg	0.146	0.150	117.	0-172	2.69	38	L423799-09	WG443264
Chloroform	mg/kg	0.118	0.117	94.7	28-138	1.18	30	L423799-09	WG443264
Chloromethane	mg/kg	0.134	0.139	108.	10-158	3.05	35	L423799-09	WG443264
cis-1,2-Dichloroethene	mg/kg	0.127	0.126	102.	21-147	0.722	31	L423799-09	WG443264
cis-1,3-Dichloropropene	mg/kg	0.102	0.0997	81.6	17-145	2.31	32	L423799-09	WG443264
Di-isopropyl ether	mg/kg	0.112	0.111	89.9	31-153	0.876	29	L423799-09	WG443264
Dibromomethane	mg/kg	0.107	0.104	85.8	24-147	3.21	30	L423799-09	WG443264
Dichlorodifluoromethane	mg/kg	0.124	0.123	99.0	0-192	0.263	38	L423799-09	WG443264

* Performance of this Analyte is outside of established criteria.
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Est. 1970

Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L423799

October 05, 2009

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Ethylbenzene	mg/kg	0.0805	0.0730	64.4	12-137	9.74	36	L423799-09	WG443264
Hexachloro-1,3-butadiene	mg/kg	0.0577	0.0381	46.2	10-123	40.9	50	L423799-09	WG443264
Isopropylbenzene	mg/kg	0.0680	0.0578	54.4	14-134	16.2	37	L423799-09	WG443264
Methyl tert-butyl ether	mg/kg	0.111	0.105	88.7	21-157	5.56	31	L423799-09	WG443264
Methylene Chloride	mg/kg	0.120	0.119	96.0	12-149	0.614	31	L423799-09	WG443264
n-Butylbenzene	mg/kg	0.126	0.0933	101.	10-130	30.1	48	L423799-09	WG443264
n-Propylbenzene	mg/kg	0.0613	0.0518	49.1	10-130	16.9	40	L423799-09	WG443264
Naphthalene	mg/kg	0.0749	0.0800	59.9	0-146	6.53	43	L423799-09	WG443264
p-Isopropyltoluene	mg/kg	0.0473	0.0385	37.9	10-131	20.5	43	L423799-09	WG443264
sec-Butylbenzene	mg/kg	0.0549	0.0427	43.9	10-134	24.9	43	L423799-09	WG443264
Styrene	mg/kg	0.0629	0.0600	50.3	10-140	4.66	35	L423799-09	WG443264
tert-Butylbenzene	mg/kg	0.0559	0.0462	44.7	11-137	18.9	39	L423799-09	WG443264
Tetrachloroethene	mg/kg	0.105	0.0907	70.1	10-131	14.3	35	L423799-09	WG443264
Toluene	mg/kg	0.0941	0.0908	75.3	12-136	3.59	32	L423799-09	WG443264
trans-1,2-Dichloroethene	mg/kg	0.147	0.148	118.	10-143	0.289	33	L423799-09	WG443264
trans-1,3-Dichloropropene	mg/kg	0.0880	0.0824	70.4	16-147	6.49	32	L423799-09	WG443264
Trichloroethene	mg/kg	0.115	0.108	87.3	10-155	5.80	33	L423799-09	WG443264
Trichlorofluoromethane	mg/kg	0.126	0.123	100.	10-154	2.06	32	L423799-09	WG443264
Vinyl chloride	mg/kg	0.135	0.134	108.	10-159	0.680	36	L423799-09	WG443264
Xylenes, Total	mg/kg	0.227	0.205	60.6	10-138	10.4	36	L423799-09	WG443264
4-Bromofluorobenzene				64.56	59-140				WG443264
Dibromofluoromethane				114.3	63-139				WG443264
Toluene-d8				85.54	84-116				WG443264
Diesel (C7-C26)	mg/kg	22.6	20.0	75.2	50-150	12.1	20	L423799-07	WG442653
Motor Oil (C16-C40)	mg/kg	17.0	14.2	56.7	50-150	18.2	25	L423799-07	WG442653
o-Terphenyl				92.95	50-150				WG442653
Diesel (C7-C26)	mg/kg	28.1	27.6	93.8	50-150	1.94	20	L423799-16	WG442659
Motor Oil (C16-C40)	mg/kg	25.5	24.5	85.0	50-150	4.17	25	L423799-16	WG442659
o-Terphenyl				106.0	50-150				WG442659

Batch number /Run number / Sample number cross reference

WG442801: R919809: L423799-02 09 10 12 13 14 15 16 17 18
WG443276: R924108: L423799-17 18
WG443264: R925368: L423799-02 09 10 12 13 14 15 16
WG442653: R927548: L423799-01 02 03 04 05 06 07 08 09 10 11 12
WG442659: R929928: L423799-13 14 15 16 17 18

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L423799

October 05, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

L425719

Sundance Environmental Consultants, Inc.

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Alternate billing information:

Report to: Alex Becker

Email to: abecker@sundanceenv.com

Chain of Custody
Page 1 of 3

Prepared by:

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Mt. Juliet, TN 37122

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Phone (800) 767-5859
FAX (615) 758-5859

D060

Project Description: Timminco

City/State Collected: Aurora, CO

Phone: 303.345-1129
FAX:

Client Project #: Tim

ESC Key:

Collected by: Alex Becker

Site/Facility ID#:

P.O.#:

Collected by (signature): [signature]

Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed:
Email? __No ✓ Yes
FAX? ✓ No __Yes

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260 TPHKs	OA2	Metals	PAHs	PCBs			Remarks/Contaminant	Sample # (lab only)
HA01 @ 18"	G	SS	18"	9/23/09	0805	2	X	X						HOLD xtra	~~L423799-09~~ 04
HA01 @ 4'	↓	↓	4'	↓	0815	1		X							~~-01~~
HA01 @ 8'	↓	↓	8'	↓	0825	2								HOLD	
HA02 @ 18"	↓	↓	18"	↓	0830	3	X	X						HOLD xtra	~~-10~~
HA02 @ 4'	↓	↓	4'	↓	0840	2	X	X						HOLD xtra	~~-11~~
HA03 @ 18"	↓	↓	18"	↓	0850	3	X	X						HOLD xtra	~~-12~~ -01
HA04 @ 14"	↓	↓	14"	↓	0[illegible]0	1	X	X							~~-02~~ -02
HA05 @ 18"	↓	↓	18"	↓	[illegible]915	3	X	X						HOLD xtra	~~-13~~
HA05 @ 4'	↓	↓	4	↓	0920	1		X							~~-03~~

*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____ Relogged from L423799 pH _____ Temp _____

Remarks: 11380 Smith Rd., Aurora, CO

963262655911 Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: (lab use only)
[signature]	9/23/09	1500	[signature]		OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6C / Bottles Received: 43-40C	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 9/24/09 / Time: 0900	pH Checked: / NCF:

L425719

Sundance Environmental Consultants, Inc.
11584 Wilson Circle
Parker, CO 80134

Alternate billing information:

Report to: Alex Becker
Email to: abecker@sundanceenv.com

Project Description: Timminco
City/Sate Collected: Aurora, CO
Phone: 303.345-1129
FAX:
Client Project #: Tim
ESC Key:
Collected by: Alex Becker
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed:
Email? __No ✓Yes
FAX? ✓No __Yes

Analysis/Container/Preservative

Chain of Custody
Page 2 of 3

Prepared by:
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CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260	TPHKS	OA 2	Metals	PAHs	PCBs			Remarks/Contaminant	Sample # (lab only)
HA05 @ 6'	G	SS	6'	9/22/09	0925	1									HOLD	L423799
HA06 @ 10"	↓	↓	10"	↓	0930	3	X	X							HOLD xtra	~~-14~~ -05
HA06 @ 4'			4'		0935	1		X								~~-04~~
HA06 @ 6'			6'		0937	1									HOLD	
HA07 @ 18"			18"		1000	3	X	X							HOLD xtra	~~-14~~ ~~-15~~
HA07 @ 4'			4'		1005	1		X								-05
HA07 @ 6'			6'		1008	1									HOLD	
HA08 @ 18"			18"		1015	3	X	X							HOLD xtra	~~-15~~ ~~-16~~
HA08 @ 4'			4'		1020	1		X								~~-06~~

*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks: 11380 Smith Rd, Aurora, CO

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: (lab use only)
	9/22/09	1500			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6° / Bottles Received: 43-40z	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/24/09 / Time: 0900	pH Checked: / NCF:

L425719

Sundance Environmental Consultants, Inc.

11584 Wilson Circle
Parker, CO 80134

Alternate billing information:

Report to: Alex Becker

Email to: abecker@sundanceenv.com

Project Description: Timmik co

Phone: 303.345-1129
FAX:

Client Project #: Tim

ESC Key:

Collected by: Alex Becker

Site/Facility ID#:

P.O.#:

City/State Collected

Collected by (signature):

Packed on Ice N Y ✓

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed:
Email? __No ✓Yes
FAX? ✓No __Yes

Analysis/Container/Preservative

Chain of Custody
Page 3 of 3

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Ctrs	VOCs 8260 TPHKS	OH2	Metals	PAHs	PCBs	Remarks/Contaminant	Sample # (lab only)
HA08 @ 6'	G	SS	~~9~~ 6'	9/23/09	1025	1						HOLD	~~1423799~~
HA09 @ 14"	↓	↓	14"	↓	1030	3	X	X				HOLD xtra	~~-16~~ -17 03
HA09 @ 4'			4'		1035	1		X					~~-17~~
~~HA09~~ @ 6'			6'		1040	1						HOLD	
~~HA10~~ @ 0-6"			0-6"		1105	3	X	X				HOLD xtra	~~-17~~ ~~-18~~ 06
HA10 @ 4'			4'		1110	1		X					~~-18~~ TD

*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: 11380 Smith Rd, Aurora, CO

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	9/23/09	1500	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐

Temp: 36.

Bottles Received: 43-402

Date: 9/24/09

Time: 0900

Condition: (lab use only) OK

pH Checked:

NCF:

Jonah Huckabay

L425719

From: John Blackman
Sent: Tuesday, October 06, 2009 1:31 PM
To: Login
Subject: FW: Request Additional Analyses for TIM L423799

Please relog L423799-12, -02, and -17 for PCB, PAH, TAL metals and Mg.

Please relog L423799-09, -14, and 18 for RCRA8 and Mg.

John Blackman
ESC Lab Sciences
615.948.1706 Cell.
615.773.9677 Office.

From: rfryberger@sundanceenv.com [mailto:rfryberger@sundanceenv.com]
Sent: Tue 10/6/2009 11:41 AM
To: John Blackman
Cc: Alex Becker IV
Subject: Request Additional Analyses for TIM L423799

John,

Please run these archived samples for additional analyses:

--PCB and PAH and TAL metals plus Mg: HA-03@18 and HA-04@14 and HA-09@14

--RCRA-8 metals plus Mg: HA-01@18 and HA-06@10 and HA-10@0-6

--all depths in inches!

Thank you

Robin

Robin M. Fryberger, P.E.
Sundance Environmental Consultants, Inc.
11584 Wilson Circle
Parker, CO 80134
303 699 7870 main
303 378 7847 cell
303 680 3192 fax
rfryberger@sundanceenv.com

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Alex Becker
Sundance Environmental Consultants, Inc.
11584 Wilson Circle

Parker, CO 80134

Report Summary

Thursday October 15, 2009

Report Number: L425719
Samples Received: 09/24/09
Client Project: TIM

Description: Timminco

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Blackman, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 15, 2009

ESC Sample # : L425719-01

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA03 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	10/09/09	1
Aluminum	10000	5.0	mg/kg	6010B	10/12/09	1
Antimony	BDL	2.0	mg/kg	6010B	10/14/09	2
Arsenic	BDL	1.0	mg/kg	6010B	10/12/09	1
Barium	92.	0.25	mg/kg	6010B	10/12/09	1
Beryllium	1.1	0.10	mg/kg	6010B	10/12/09	1
Cadmium	0.96	0.25	mg/kg	6010B	10/12/09	1
Calcium	10000	25.	mg/kg	6010B	10/12/09	1
Chromium	7.1	0.50	mg/kg	6010B	10/12/09	1
Cobalt	11.	0.50	mg/kg	6010B	10/12/09	1
Copper	40.	1.0	mg/kg	6010B	10/12/09	1
Iron	24000	5.0	mg/kg	6010B	10/12/09	1
Lead	33.	0.25	mg/kg	6010B	10/12/09	1
Magnesium	6900	5.0	mg/kg	6010B	10/12/09	1
Manganese	580	0.50	mg/kg	6010B	10/12/09	1
Nickel	2.7	1.0	mg/kg	6010B	10/12/09	1
Potassium	4400	25.	mg/kg	6010B	10/12/09	1
Selenium	BDL	5.0	mg/kg	6010B	10/14/09	5
Silver	5.0	0.50	mg/kg	6010B	10/12/09	1
Sodium	330	25.	mg/kg	6010B	10/12/09	1
Thallium	2.6	2.0	mg/kg	6010B	10/14/09	2
Vanadium	43.	0.50	mg/kg	6010B	10/12/09	1
Zinc	84.	1.5	mg/kg	6010B	10/12/09	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.033	mg/kg	8270C	10/07/09	1
Acenaphthene	BDL	0.033	mg/kg	8270C	10/07/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	10/07/09	1
Benzo(a)anthracene	BDL	0.033	mg/kg	8270C	10/07/09	1
Benzo(a)pyrene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(b)fluoranthene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(g,h,i)perylene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(k)fluoranthene	BDL	0.66	mg/kg	8270C	10/09/09	20
Chrysene	BDL	0.033	mg/kg	8270C	10/07/09	1
Dibenz(a,h)anthracene	BDL	0.66	mg/kg	8270C	10/09/09	20
Fluoranthene	BDL	0.033	mg/kg	8270C	10/07/09	1
Fluorene	BDL	0.033	mg/kg	8270C	10/07/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.66	mg/kg	8270C	10/09/09	20
Naphthalene	BDL	0.033	mg/kg	8270C	10/07/09	1
Phenanthrene	BDL	0.033	mg/kg	8270C	10/07/09	1
Pyrene	BDL	0.033	mg/kg	8270C	10/07/09	1
Surrogate Recovery						
Nitrobenzene-d5	23.2		% Rec.	8270C	10/07/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L425719-01 (PAH BY GCMS) - IS/SURR failed on lower dilution.

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 15, 2009

ESC Sample # : L425719-01

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA03 18IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Fluorobiphenyl	22.4		% Rec.	8270C	10/07/09	1
p-Terphenyl-d14	46.2		% Rec.	8270C	10/07/09	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.017	mg/kg	8082	10/09/09	1
PCB 1221	BDL	0.017	mg/kg	8082	10/09/09	1
PCB 1232	BDL	0.017	mg/kg	8082	10/09/09	1
PCB 1242	BDL	0.017	mg/kg	8082	10/09/09	1
PCB 1248	BDL	0.017	mg/kg	8082	10/09/09	1
PCB 1254	BDL	0.017	mg/kg	8082	10/09/09	1
PCB 1260	BDL	0.017	mg/kg	8082	10/09/09	1
PCBs Surrogates						
Decachlorobiphenyl	107.		% Rec.	8082	10/09/09	1
Tetrachloro-m-xylene	109.		% Rec.	8082	10/09/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 15, 2009

ESC Sample # : L425719-02

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA04 14IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	10/09/09	1
Aluminum	12000	5.0	mg/kg	6010B	10/12/09	1
Antimony	BDL	1.0	mg/kg	6010B	10/12/09	1
Arsenic	1.1	1.0	mg/kg	6010B	10/12/09	1
Barium	120	0.25	mg/kg	6010B	10/12/09	1
Beryllium	0.85	0.10	mg/kg	6010B	10/12/09	1
Cadmium	0.52	0.25	mg/kg	6010B	10/12/09	1
Calcium	7200	25.	mg/kg	6010B	10/12/09	1
Chromium	10.	0.50	mg/kg	6010B	10/12/09	1
Cobalt	18.	0.50	mg/kg	6010B	10/12/09	1
Copper	6.7	1.0	mg/kg	6010B	10/12/09	1
Iron	12000	5.0	mg/kg	6010B	10/12/09	1
Lead	10.	0.25	mg/kg	6010B	10/12/09	1
Magnesium	2300	5.0	mg/kg	6010B	10/12/09	1
Manganese	290	0.50	mg/kg	6010B	10/12/09	1
Nickel	6.4	1.0	mg/kg	6010B	10/12/09	1
Potassium	3300	25.	mg/kg	6010B	10/12/09	1
Selenium	BDL	1.0	mg/kg	6010B	10/12/09	1
Silver	BDL	0.50	mg/kg	6010B	10/12/09	1
Sodium	700	25.	mg/kg	6010B	10/12/09	1
Thallium	BDL	1.0	mg/kg	6010B	10/12/09	1
Vanadium	26.	0.50	mg/kg	6010B	10/12/09	1
Zinc	35.	1.5	mg/kg	6010B	10/12/09	1
Polynuclear Aromatic Hydrocarbons						
Anthracene	BDL	0.66	mg/kg	8270C	10/09/09	20
Acenaphthene	BDL	0.033	mg/kg	8270C	10/07/09	1
Acenaphthylene	BDL	0.033	mg/kg	8270C	10/07/09	1
Benzo(a)anthracene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(a)pyrene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(b)fluoranthene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(g,h,i)perylene	BDL	0.66	mg/kg	8270C	10/09/09	20
Benzo(k)fluoranthene	BDL	0.66	mg/kg	8270C	10/09/09	20
Chrysene	BDL	0.66	mg/kg	8270C	10/09/09	20
Dibenz(a,h)anthracene	BDL	0.66	mg/kg	8270C	10/09/09	20
Fluoranthene	BDL	0.66	mg/kg	8270C	10/09/09	20
Fluorene	BDL	0.033	mg/kg	8270C	10/07/09	1
Indeno(1,2,3-cd)pyrene	BDL	0.66	mg/kg	8270C	10/09/09	20
Naphthalene	BDL	0.033	mg/kg	8270C	10/07/09	1
Phenanthrene	BDL	0.66	mg/kg	8270C	10/09/09	20
Pyrene	BDL	0.66	mg/kg	8270C	10/09/09	20
Surrogate Recovery						
Nitrobenzene-d5	29.7		% Rec.	8270C	10/07/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L425719-02 (PAH BY GCMS) - IS/SURR failed on lower dilution.

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 15, 2009

ESC Sample # : L425719-02

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA04 14IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Fluorobiphenyl	21.3		% Rec.	8270C	10/07/09	1
p-Terphenyl-d14	0.00		% Rec.	8270C	10/09/09	20
Polychlorinated Biphenyls						
PCB 1016	BDL	0.85	mg/kg	8082	10/12/09	50
PCB 1221	BDL	0.85	mg/kg	8082	10/12/09	50
PCB 1232	BDL	0.85	mg/kg	8082	10/12/09	50
PCB 1242	BDL	0.85	mg/kg	8082	10/12/09	50
PCB 1248	2.1	0.85	mg/kg	8082	10/12/09	50
PCB 1254	BDL	0.85	mg/kg	8082	10/12/09	50
PCB 1260	BDL	0.85	mg/kg	8082	10/12/09	50
PCBs Surrogates						
Decachlorobiphenyl	0.00		% Rec.	8082	10/12/09	50
Tetrachloro-m-xylene	0.00		% Rec.	8082	10/12/09	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 15, 2009

ESC Sample # : L425719-04

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA01 18 IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 08:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.020	mg/kg	7471	10/09/09	1
Arsenic	BDL	1.0	mg/kg	6010B	10/11/09	1
Barium	160	0.25	mg/kg	6010B	10/11/09	1
Cadmium	0.62	0.25	mg/kg	6010B	10/11/09	1
Chromium	14.	0.50	mg/kg	6010B	10/11/09	1
Lead	23.	0.25	mg/kg	6010B	10/11/09	1
Magnesium	3300	5.0	mg/kg	6010B	10/11/09	1
Selenium	BDL	5.0	mg/kg	6010B	10/11/09	5
Silver	BDL	0.50	mg/kg	6010B	10/11/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 10/15/09 16:34 Printed: 10/15/09 16:35

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

October 15, 2009

ESC Sample # : L425719-05

Date Received : September 24, 2009
Description : Timminco

Site ID :

Sample ID : HA06 10 IN

Project # : TIM

Collected By : Alex Becker
Collection Date : 09/23/09 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.026	0.020	mg/kg	7471	10/09/09	1
Arsenic	1.0	1.0	mg/kg	6010B	10/12/09	1
Barium	160	0.25	mg/kg	6010B	10/12/09	1
Cadmium	0.73	0.25	mg/kg	6010B	10/12/09	1
Chromium	15.	0.50	mg/kg	6010B	10/12/09	1
Lead	20.	0.25	mg/kg	6010B	10/12/09	1
Magnesium	3800	5.0	mg/kg	6010B	10/12/09	1
Selenium	BDL	1.0	mg/kg	6010B	10/12/09	1
Silver	BDL	0.50	mg/kg	6010B	10/12/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 10/15/09 16:34 Printed: 10/15/09 16:35

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L425719-01	WG444371	SAMP	Benzo(a)pyrene	R939750	O
	WG444371	SAMP	Benzo(b)fluoranthene	R939750	O
	WG444371	SAMP	Benzo(g,h,i)perylene	R939750	O
	WG444371	SAMP	Benzo(k)fluoranthene	R939750	O
	WG444371	SAMP	Dibenz(a,h)anthracene	R939750	O
	WG444371	SAMP	Indeno(1,2,3-cd)pyrene	R939750	O
	WG444371	SAMP	2-Fluorobiphenyl	R939750	J2
	WG444923	SAMP	Antimony	R946031	O
	WG444923	SAMP	Selenium	R946031	O
L425719-02	WG444371	SAMP	Anthracene	R939750	O
	WG444371	SAMP	Benzo(a)anthracene	R939750	O
	WG444371	SAMP	Benzo(a)pyrene	R939750	O
	WG444371	SAMP	Benzo(b)fluoranthene	R939750	O
	WG444371	SAMP	Benzo(g,h,i)perylene	R939750	O
	WG444371	SAMP	Benzo(k)fluoranthene	R939750	O
	WG444371	SAMP	Chrysene	R939750	O
	WG444371	SAMP	Dibenz(a,h)anthracene	R939750	O
	WG444371	SAMP	Fluoranthene	R939750	O
	WG444371	SAMP	Indeno(1,2,3-cd)pyrene	R939750	O
	WG444371	SAMP	Phenanthrene	R939750	O
	WG444371	SAMP	Pyrene	R939750	O
	WG444371	SAMP	2-Fluorobiphenyl	R939750	J2
	WG444371	SAMP	p-Terphenyl-d14	R939750	J7
	WG444377	SAMP	Decachlorobiphenyl	R939889	J7
	WG444377	SAMP	Tetrachloro-m-xylene	R939889	J7
L425719-03	WG444371	SAMP	Benzo(a)anthracene	R939750	O
	WG444371	SAMP	Benzo(a)pyrene	R939750	O
	WG444371	SAMP	Benzo(b)fluoranthene	R939750	O
	WG444371	SAMP	Benzo(g,h,i)perylene	R939750	O
	WG444371	SAMP	Benzo(k)fluoranthene	R939750	O
	WG444371	SAMP	Chrysene	R939750	O
	WG444371	SAMP	Dibenz(a,h)anthracene	R939750	O
	WG444371	SAMP	Indeno(1,2,3-cd)pyrene	R939750	O
	WG444371	SAMP	Pyrene	R939750	O
	WG444371	SAMP	2-Fluorobiphenyl	R939750	J2
	WG444371	SAMP	p-Terphenyl-d14	R939750	J7
	WG444377	SAMP	Decachlorobiphenyl	R939889	J7
	WG444377	SAMP	Tetrachloro-m-xylene	R939889	J7
L425719-04	WG444923	SAMP	Magnesium	R946031	V
	WG444923	SAMP	Selenium	R946031	O

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.
V	(ESC) - Additional QC Info: The sample concentration is too high to evaluate accurate spike recoveries.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/15/09 at 16:35:14

TSR Signing Reports: 151
R5 - Desired TAT

Auto-QC and chromas on all reports; $2 included in price for chromas Client prefers 2oz jars
for soils . TPHKS = GRO and FULL 8260 List PAH = Report BAP at 0.061 ppm

Sample: L425719-01 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/13/09 00:00 RPT Date: 10/15/09 16:34
Relogged from L423799-12
Sample: L425719-02 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/13/09 00:00 RPT Date: 10/15/09 16:34
Relogged from L423799-02
Sample: L425719-03 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/13/09 00:00 RPT Date: 10/15/09 16:34
Relogged from L423799-17
Sample: L425719-04 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/13/09 00:00 RPT Date: 10/15/09 16:34
Relogged from L423799-09
Sample: L425719-05 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/13/09 00:00 RPT Date: 10/15/09 16:34
Relogged from L423799-14
Sample: L425719-06 Account: SUNENVPCO Received: 09/24/09 09:00 Due Date: 10/13/09 00:00 RPT Date: 10/15/09 16:34
Relogged from L423799-18

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Alex Becker
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Parker, CO 80134

Quality Assurance Report
Level II

L425719

October 15, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Acenaphthene	< .033	ppm			WG444371	10/07/09 11:32
Acenaphthylene	< .033	ppm			WG444371	10/07/09 11:32
Anthracene	< .033	ppm			WG444371	10/07/09 11:32
Benzo(a)anthracene	< .033	ppm			WG444371	10/07/09 11:32
Benzo(a)pyrene	< .033	ppm			WG444371	10/07/09 11:32
Benzo(b)fluoranthene	< .033	ppm			WG444371	10/07/09 11:32
Benzo(g,h,i)perylene	< .033	ppm			WG444371	10/07/09 11:32
Benzo(k)fluoranthene	< .033	ppm			WG444371	10/07/09 11:32
Chrysene	< .033	ppm			WG444371	10/07/09 11:32
Dibenz(a,h)anthracene	< .033	ppm			WG444371	10/07/09 11:32
Fluoranthene	< .033	ppm			WG444371	10/07/09 11:32
Fluorene	< .033	ppm			WG444371	10/07/09 11:32
Indeno(1,2,3-cd)pyrene	< .033	ppm			WG444371	10/07/09 11:32
Naphthalene	< .033	ppm			WG444371	10/07/09 11:32
Phenanthrene	< .033	ppm			WG444371	10/07/09 11:32
Pyrene	< .033	ppm			WG444371	10/07/09 11:32
2-Fluorobiphenyl		% Rec.	57.24	30-120	WG444371	10/07/09 11:32
Nitrobenzene-d5		% Rec.	49.29	18-119	WG444371	10/07/09 11:32
p-Terphenyl-d14		% Rec.	68.35	23-143	WG444371	10/07/09 11:32
PCB 1016	< .017	mg/kg			WG444377	10/08/09 12:25
PCB 1221	< .017	mg/kg			WG444377	10/08/09 12:25
PCB 1232	< .017	mg/kg			WG444377	10/08/09 12:25
PCB 1242	< .017	mg/kg			WG444377	10/08/09 12:25
PCB 1248	< .017	mg/kg			WG444377	10/08/09 12:25
PCB 1254	< .017	mg/kg			WG444377	10/08/09 12:25
PCB 1260	< .017	mg/kg			WG444377	10/08/09 12:25
Decachlorobiphenyl		% Rec.	115.0	18.9-115.8	WG444377	10/08/09 12:25
Tetrachloro-m-xylene		% Rec.	98.38	31.8-115.7	WG444377	10/08/09 12:25
Mercury	< .02	mg/kg			WG444453	10/09/09 11:15
Antimony	< 1	mg/kg			WG444923	10/11/09 22:51
Arsenic	< 1	mg/kg			WG444923	10/11/09 22:51
Barium	< .25	mg/kg			WG444923	10/11/09 22:51
Beryllium	< .1	mg/kg			WG444923	10/11/09 22:51
Cadmium	< .25	mg/kg			WG444923	10/11/09 22:51
Calcium	< 25	mg/kg			WG444923	10/11/09 22:51
Chromium	< .5	mg/kg			WG444923	10/11/09 22:51
Cobalt	< .5	mg/kg			WG444923	10/11/09 22:51
Copper	< 1	mg/kg			WG444923	10/11/09 22:51
Lead	< .25	mg/kg			WG444923	10/11/09 22:51
Magnesium	< 5	mg/kg			WG444923	10/11/09 22:51
Manganese	< .5	mg/kg			WG444923	10/11/09 22:51
Nickel	< 1	mg/kg			WG444923	10/11/09 22:51
Potassium	< 25	mg/kg			WG444923	10/11/09 22:51
Selenium	< 1	mg/kg			WG444923	10/11/09 22:51
Silver	< .5	mg/kg			WG444923	10/11/09 22:51
Sodium	< 25	mg/kg			WG444923	10/11/09 22:51
Thallium	< 1	mg/kg			WG444923	10/11/09 22:51
Vanadium	< .5	mg/kg			WG444923	10/11/09 22:51
Zinc	< 1.5	mg/kg			WG444923	10/11/09 22:51
Aluminum	< 5	mg/kg			WG444923	10/11/09 18:11
Iron	< 5	mg/kg			WG444923	10/11/09 18:11

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Quality Assurance Report
Level II

L425719

October 15, 2009

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
			Duplicate				
Mercury	mg/kg	0.140	0.0840	53.3*	20	L425757-03	WG444453
Aluminum	mg/kg	14000	16100	11.1	20	L425719-04	WG444923
Antimony	mg/kg	0	0	0	20	L425719-04	WG444923
Arsenic	mg/kg	0	0	0	20	L425719-04	WG444923
Barium	mg/kg	160.	160.	1.26	20	L425719-04	WG444923
Beryllium	mg/kg	0.960	1.03	7.35	20	L425719-04	WG444923
Cadmium	mg/kg	0.590	0.620	4.45	20	L425719-04	WG444923
Calcium	mg/kg	7900	7240	8.21	20	L425719-04	WG444923
Chromium	mg/kg	13.0	14.0	8.96	20	L425719-04	WG444923
Cobalt	mg/kg	9.40	9.07	3.25	20	L425719-04	WG444923
Copper	mg/kg	12.0	14.9	19.1	20	L425719-04	WG444923
Iron	mg/kg	15000	15600	5.94	20	L425719-04	WG444923
Lead	mg/kg	26.0	23.0	13.4	20	L425719-04	WG444923
Magnesium	mg/kg	3000	3300	9.19	20	L425719-04	WG444923
Manganese	mg/kg	320.	383.	17.3	20	L425719-04	WG444923
Nickel	mg/kg	7.20	7.79	7.32	20	L425719-04	WG444923
Potassium	mg/kg	2700	2970	9.52	20	L425719-04	WG444923
Silver	mg/kg	0	0	0	20	L425719-04	WG444923
Sodium	mg/kg	290.	309.	7.38	20	L425719-04	WG444923
Vanadium	mg/kg	35.0	36.8	5.30	20	L425719-04	WG444923
Zinc	mg/kg	46.0	49.4	6.26	20	L425719-04	WG444923
Selenium	mg/kg	0	0	0	20	L425719-04	WG444923

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
			Laboratory Control Sample			
Acenaphthene	ppm	.167	0.0843	50.5	44-117	WG444371
Acenaphthylene	ppm	.167	0.0865	51.8	43-118	WG444371
Anthracene	ppm	.167	0.0938	56.2	42-127	WG444371
Benzo(a)anthracene	ppm	.167	0.104	62.3	45-127	WG444371
Benzo(a)pyrene	ppm	.167	0.103	61.8	46-123	WG444371
Benzo(b)fluoranthene	ppm	.167	0.0948	56.7	43-126	WG444371
Benzo(g,h,i)perylene	ppm	.167	0.0990	59.3	43-128	WG444371
Benzo(k)fluoranthene	ppm	.167	0.100	60.0	40-126	WG444371
Chrysene	ppm	.167	0.101	60.8	44-129	WG444371
Dibenz(a,h)anthracene	ppm	.167	0.101	60.5	43-127	WG444371
Fluoranthene	ppm	.167	0.106	63.6	44-125	WG444371
Fluorene	ppm	.167	0.0978	58.6	45-121	WG444371
Indeno(1,2,3-cd)pyrene	ppm	.167	0.102	61.3	43-127	WG444371
Naphthalene	ppm	.167	0.0904	54.1	32-113	WG444371
Phenanthrene	ppm	.167	0.0981	58.7	43-124	WG444371
Pyrene	ppm	.167	0.100	60.1	47-128	WG444371
2-Fluorobiphenyl				63.59	30-120	WG444371
Nitrobenzene-d5				57.30	18-119	WG444371
p-Terphenyl-d14				73.01	23-143	WG444371
PCB 1260	mg/kg	.167	0.193	115.	62-131	WG444377
Decachlorobiphenyl				132.2*	18.9-115.8	WG444377
Tetrachloro-m-xylene				106.4	31.8-115.7	WG444377
Mercury	mg/kg	8.77	9.24	105.	71.6-127.7	WG444453
Aluminum	mg/kg	10100	13600	135.	50.7-148.5	WG444923
Antimony	mg/kg	85.1	39.4	46.3	1.2-242.1	WG444923
Arsenic	mg/kg	192	182.	94.8	78.6-120.8	WG444923

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Quality Assurance Report
Level II

L425719

October 15, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Barium	mg/kg	420	426.	101.	78.8-121.4	WG444923
Beryllium	mg/kg	69.3	70.7	102.	79.8-120.1	WG444923
Cadmium	mg/kg	70.1	64.9	92.6	78.5-121.5	WG444923
Calcium	mg/kg	9540	9540	100.	78.2-121.6	WG444923
Chromium	mg/kg	168	170.	101.	80.4-120.2	WG444923
Cobalt	mg/kg	111	114.	103.	80.2-119.8	WG444923
Copper	mg/kg	122	122.	100.	81.6-119.7	WG444923
Iron	mg/kg	18100	18800	104.	50.7-149.7	WG444923
Lead	mg/kg	113	112.	99.1	77.3-122.1	WG444923
Magnesium	mg/kg	4030	4470	111.	77.2-122.8	WG444923
Manganese	mg/kg	441	456.	103.	78.9-120.9	WG444923
Nickel	mg/kg	74.1	76.7	104.	78.8-121.2	WG444923
Potassium	mg/kg	4020	4510	112.	70.1-129.9	WG444923
Selenium	mg/kg	176	155.	88.1	75.6-125.0	WG444923
Silver	mg/kg	115	115.	100.	66-133.9	WG444923
Sodium	mg/kg	618	640.	104.	73.8-126.2	WG444923
Thallium	mg/kg	111	109.	98.2	77.6-122.5	WG444923
Vanadium	mg/kg	86	91.4	106.	72.0-127.9	WG444923
Zinc	mg/kg	437	420.	96.1	78.5-121.7	WG444923

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Acenaphthene	ppm	0.0969	0.0843	58.0	44-117	13.9	21	WG444371
Acenaphthylene	ppm	0.0965	0.0865	58.0	43-118	11.0	20	WG444371
Anthracene	ppm	0.0937	0.0938	56.0	42-127	0.0525	21	WG444371
Benzo(a)anthracene	ppm	0.102	0.104	61.0	45-127	2.21	21	WG444371
Benzo(a)pyrene	ppm	0.109	0.103	65.0	46-123	5.47	20	WG444371
Benzo(b)fluoranthene	ppm	0.104	0.0948	62.0	43-126	9.75	27	WG444371
Benzo(g,h,i)perylene	ppm	0.107	0.0990	64.0	43-128	7.93	20	WG444371
Benzo(k)fluoranthene	ppm	0.105	0.100	62.0	40-126	4.31	32	WG444371
Chrysene	ppm	0.114	0.101	68.0	44-129	11.7	22	WG444371
Dibenz(a,h)anthracene	ppm	0.117	0.101	70.0	43-127	14.4	20	WG444371
Fluoranthene	ppm	0.103	0.106	62.0	44-125	2.78	22	WG444371
Fluorene	ppm	0.106	0.0978	64.0	45-121	8.33	20	WG444371
Indeno(1,2,3-cd)pyrene	ppm	0.113	0.102	67.0	43-127	9.61	21	WG444371
Naphthalene	ppm	0.0943	0.0904	56.0	32-113	4.27	26	WG444371
Phenanthrene	ppm	0.0996	0.0981	60.0	43-124	1.51	21	WG444371
Pyrene	ppm	0.100	0.100	60.0	47-128	0.454	20	WG444371
2-Fluorobiphenyl				68.76	30-120			WG444371
Nitrobenzene-d5				55.13	18-119			WG444371
p-Terphenyl-d14				70.10	23-143			WG444371
PCB 1260	mg/kg	0.194	0.193	116.	62-131	0.767	22	WG444377
Decachlorobiphenyl				125.0*	18.9-115.8			WG444377
Tetrachloro-m-xylene				108.7	31.8-115.7			WG444377

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Acenaphthene	ppm	0.0835	0	.167	50.0	38-121	L425306-02	WG444371
Acenaphthylene	ppm	0.0867	0	.167	51.9	39-120	L425306-02	WG444371
Anthracene	ppm	0.0870	0	.167	52.1	35-133	L425306-02	WG444371
Benzo(a)anthracene	ppm	0.0993	0	.167	59.4	35-136	L425306-02	WG444371
Benzo(a)pyrene	ppm	0.0996	0	.167	59.6	37-131	L425306-02	WG444371
Benzo(b)fluoranthene	ppm	0.0968	0	.167	58.0	29-145	L425306-02	WG444371
Benzo(g,h,i)perylene	ppm	0.102	0	.167	60.9	10-139	L425306-02	WG444371
Benzo(k)fluoranthene	ppm	0.102	0	.167	60.8	31-140	L425306-02	WG444371

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October 15, 2009

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chrysene	ppm	0.100	0	.167	60.1	34-137	L425306-02	WG444371
Dibenz(a,h)anthracene	ppm	0.103	0	.167	61.6	21-132	L425306-02	WG444371
Fluoranthene	ppm	0.0929	0	.167	55.6	34-132	L425306-02	WG444371
Fluorene	ppm	0.0951	0	.167	57.0	38-126	L425306-02	WG444371
Indeno(1,2,3-cd)pyrene	ppm	0.101	0	.167	60.3	17-134	L425306-02	WG444371
Naphthalene	ppm	0.0833	0	.167	49.9	24-122	L425306-02	WG444371
Phenanthrene	ppm	0.0880	0	.167	52.7	38-128	L425306-02	WG444371
Pyrene	ppm	0.0926	0	.167	55.5	35-141	L425306-02	WG444371
2-Fluorobiphenyl					61.89	30-120		WG444371
Nitrobenzene-d5					51.55	18-119		WG444371
p-Terphenyl-d14					69.00	23-143		WG444371
Mercury	mg/kg	0.399	0.0840	.125	126.	70-130	L425757-03	WG444453
PCB 1260	mg/kg	0.146	0	.167	87.5	10-197	L425374-07	WG444377
Decachlorobiphenyl					94.09	18.9-115.8		WG444377
Tetrachloro-m-xylene					117.3*	31.8-115.7		WG444377
Aluminum	mg/kg	15700	16100	50	0*	75-125	L425719-04	WG444923
Antimony	mg/kg	15.0	0	50	30.0*	75-125	L425719-04	WG444923
Arsenic	mg/kg	43.4	0	50	86.8	75-125	L425719-04	WG444923
Barium	mg/kg	207.	160.	50	94.0	75-125	L425719-04	WG444923
Beryllium	mg/kg	47.5	1.03	50	92.9	75-125	L425719-04	WG444923
Cadmium	mg/kg	45.6	0.620	50	90.0	75-125	L425719-04	WG444923
Calcium	mg/kg	7720	7240	500	96.0	75-125	L425719-04	WG444923
Chromium	mg/kg	59.6	14.0	50	91.2	75-125	L425719-04	WG444923
Cobalt	mg/kg	54.4	9.07	50	90.7	75-125	L425719-04	WG444923
Copper	mg/kg	60.9	14.9	50	92.0	75-125	L425719-04	WG444923
Iron	mg/kg	15500	15600	50	0*	75-125	L425719-04	WG444923
Lead	mg/kg	68.8	23.0	50	91.6	75-125	L425719-04	WG444923
Magnesium	mg/kg	3530	3300	500	46.0*	75-125	L425719-04	WG444923
Manganese	mg/kg	386.	383.	50	6.00*	75-125	L425719-04	WG444923
Nickel	mg/kg	51.7	7.79	50	87.8	75-125	L425719-04	WG444923
Potassium	mg/kg	3250	2970	500	56.0*	75-125	L425719-04	WG444923
Silver	mg/kg	45.6	0	50	91.2	75-125	L425719-04	WG444923
Sodium	mg/kg	762.	309.	500	90.6	75-125	L425719-04	WG444923
Vanadium	mg/kg	81.2	36.8	50	88.8	75-125	L425719-04	WG444923
Zinc	mg/kg	89.7	49.4	50	80.6	75-125	L425719-04	WG444923
Selenium	mg/kg	45.3	0	10	90.6	75-125	L425719-04	WG444923

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Acenaphthene	ppm	0.0835	0.0835	50.0	38-121	0.0479	23	L425306-02	WG444371
Acenaphthylene	ppm	0.0908	0.0867	54.4	39-120	4.61	22	L425306-02	WG444371
Anthracene	ppm	0.0905	0.0870	54.2	35-133	3.95	23	L425306-02	WG444371
Benzo(a)anthracene	ppm	0.100	0.0993	60.0	35-136	0.981	23	L425306-02	WG444371
Benzo(a)pyrene	ppm	0.101	0.0996	60.6	37-131	1.60	22	L425306-02	WG444371
Benzo(b)fluoranthene	ppm	0.0882	0.0968	52.8	29-145	9.32	33	L425306-02	WG444371
Benzo(g,h,i)perylene	ppm	0.104	0.102	62.6	10-139	2.69	26	L425306-02	WG444371
Benzo(k)fluoranthene	ppm	0.0992	0.102	59.4	31-140	2.41	34	L425306-02	WG444371
Chrysene	ppm	0.103	0.100	61.6	34-137	2.56	23	L425306-02	WG444371
Dibenz(a,h)anthracene	ppm	0.103	0.103	61.4	21-132	0.318	25	L425306-02	WG444371
Fluoranthene	ppm	0.0949	0.0929	56.8	34-132	2.15	24	L425306-02	WG444371
Fluorene	ppm	0.0930	0.0951	55.7	38-126	2.33	23	L425306-02	WG444371
Indeno(1,2,3-cd)pyrene	ppm	0.0976	0.101	58.4	17-134	3.10	25	L425306-02	WG444371

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Est. 1970

Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L425719

October 15, 2009

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
Naphthalene	ppm	0.0887	0.0833	53.1	24-122	6.32	29	L425306-02	WG444371
Phenanthrene	ppm	0.0930	0.0880	55.7	38-128	5.54	25	L425306-02	WG444371
Pyrene	ppm	0.0906	0.0926	54.3	35-141	2.19	25	L425306-02	WG444371
2-Fluorobiphenyl				66.15	30-120				WG444371
Nitrobenzene-d5				56.31	18-119				WG444371
p-Terphenyl-d14				71.40	23-143				WG444371
Mercury	mg/kg	0.387	0.399	121.	70-130	3.05	20	L425757-03	WG444453
PCB 1260	mg/kg	0.164	0.146	98.1	10-197	11.4	39	L425374-07	WG444377
Decachlorobiphenyl				91.33	18.9-115.8				WG444377
Tetrachloro-m-xylene				118.4*	31.8-115.7				WG444377
Aluminum	mg/kg	15700	15700	0*	75-125	0	20	L425719-04	WG444923
Antimony	mg/kg	12.5	15.0	25.0*	75-125	18.2	20	L425719-04	WG444923
Arsenic	mg/kg	43.1	43.4	86.2	75-125	0.694	20	L425719-04	WG444923
Barium	mg/kg	199.	207.	78.0	75-125	3.94	20	L425719-04	WG444923
Beryllium	mg/kg	46.9	47.5	91.7	75-125	1.27	20	L425719-04	WG444923
Cadmium	mg/kg	44.6	45.6	88.0	75-125	2.22	20	L425719-04	WG444923
Calcium	mg/kg	8860	7720	324.*	75-125	13.8	20	L425719-04	WG444923
Chromium	mg/kg	60.0	59.6	92.0	75-125	0.669	20	L425719-04	WG444923
Cobalt	mg/kg	54.7	54.4	91.3	75-125	0.550	20	L425719-04	WG444923
Copper	mg/kg	59.8	60.9	89.8	75-125	1.82	20	L425719-04	WG444923
Iron	mg/kg	15200	15500	0*	75-125	1.95	20	L425719-04	WG444923
Lead	mg/kg	75.3	68.8	105.	75-125	9.02	20	L425719-04	WG444923
Magnesium	mg/kg	3500	3530	40.0*	75-125	0.853	20	L425719-04	WG444923
Manganese	mg/kg	385.	386.	4.00*	75-125	0.259	20	L425719-04	WG444923
Nickel	mg/kg	53.6	51.7	91.6	75-125	3.61	20	L425719-04	WG444923
Potassium	mg/kg	3260	3250	58.0*	75-125	0.307	20	L425719-04	WG444923
Silver	mg/kg	45.1	45.6	90.2	75-125	1.10	20	L425719-04	WG444923
Sodium	mg/kg	764.	762.	91.0	75-125	0.262	20	L425719-04	WG444923
Vanadium	mg/kg	81.2	81.2	88.8	75-125	0	20	L425719-04	WG444923
Zinc	mg/kg	88.6	89.7	78.4	75-125	1.23	20	L425719-04	WG444923
Selenium	mg/kg	44.5	45.3	89.0	75-125	1.78	20	L425719-04	WG444923

Batch number /Run number / Sample number cross reference

WG444371: R939750: L425719-01 02 03
WG444377: R939889: L425719-01 02 03
WG444453: R941828: L425719-01 02 03 04 05 06
WG444923: R946031: L425719-01 02 03 04 05 06

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L425719

October 15, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address

Sundance Environmental Consultants

11584 Wilson Circle
Parker, Co. 80134

Alternate Billing

Report to: Robin Fryberger / Alex Becker

E-mail to: rfryberger@sundanceenv.com

Analysis/Container/Preservative

G025

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL Science corp
12065 Lebanon Road
Mt. Juliet TN 37122

Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: Timminko

PHONE: 303-699-7870
FAX:

Client Project No.

Lab Project #

Collected by: Alex Becker

Site/Facility ID# Denver

P.O.#

Collected by(signature):

Packed on Ice N___ Y✓

Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%

Date Results Needed

Email?___No___Yes
FAX?___No___Yes

CoCode (lab use only)

Template/Prelogin

Shipped Via: Denver Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	V8260 (2) 40ml w/ HCl	O&G 1664 1L Clr w/ HCl	V8260 soil 4oz jar	O&G soil 4oz jar	PCB's 4oz jar				Remarks/contaminant	Sample # (lab only)
SMW01 @ 15'-16'	G	SS	15'-16'	12/17/09	0915	1			X	X	X					L437762-01
SMW02 @ 20'-21'	↓	↓	20'-21'	↓	1045	↓			↓	↓	↓					02
SMW03 @ 25.5'-26.5'	↓	↓	25.5-26.5	↓	1200	↓			↓	↓	↓					03

*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks: 11380 Smith Rd, Aurora, CO

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx✓ UPS__Other__		Condition (lab use only)
	12/17	1645		4239 9732	4460	
Relinquisher by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 3.1°C	Bottles Received: 3-4oz	
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 12/18/09	Time: 0900	pH Checked: NCF: Y/N

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : ____L437762_____

Date: 12/18/09

Evaluated by: Andy Vann

Client: SUNENVPCO

Non-Conformance (check applicable items)

_____	Chain of Custody is missing	____X___	Login Clarification Needed
_____	Improper container type	_____	Improper preservation
_____	Chain of custody is incomplete	_____	Container lid not intact
_____	Parameter(s) past holding time	_____	Improper temperature
_____	Broken container(s) **see below**	_____	Broken container: sufficient sample volume remains for analysis requested

_____ Insufficient packing material around container

_____ Insufficient packing material inside cooler

_____ Improper handling by carrier (FedEx / UPS / Courier)

_____ Sample was frozen

Comments: Clarify analysis V8260 by OA2.

Login Instructions: **TSR Initials:** _JB____

Client informed by call / email / fax / voice mail date: __12/21/09___ time: _315__

Client contact: Robin F.

They wanted Motor Oils ran by OA2. Do not run O&G; jut OA2 and V8260.

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Mr. Robin Fryberger
Sundance Environmental Consultants, Inc.
11584 Wilson Circle

Parker, CO 80134

Report Summary

Wednesday December 30, 2009

Report Number: L437762
Samples Received: 12/21/09
Client Project:

Description: Timmimco

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Blackman, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Mr. Robin Fryberger
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

December 30, 2009

ESC Sample # : L437762-02

Date Received : December 21, 2009
Description : Timmimco

Site ID : DENVER

Sample ID : SMW02 20-21FT

Project # :

Collected By : Alex Becher
Collection Date : 12/17/09 10:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.25	mg/kg	8260B	12/30/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	12/30/09	5
Benzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	12/30/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	12/30/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	12/30/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	12/30/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	12/30/09	5
Chloroform	BDL	0.025	mg/kg	8260B	12/30/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	12/30/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	12/30/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	12/30/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	12/30/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	12/30/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	12/30/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	12/30/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	12/30/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	12/30/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	12/30/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	12/30/09	5
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	12/30/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robin Fryberger
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

December 30, 2009

ESC Sample # : L437762-02

Date Received : December 21, 2009
Description : Timmimco

Site ID : DENVER

Sample ID : SMW02 20-21FT

Project # :

Collected By : Alex Becher
Collection Date : 12/17/09 10:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methylene Chloride	BDL	0.025	mg/kg	8260B	12/30/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	12/30/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	12/30/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	12/30/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Styrene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	12/30/09	5
Tetrachloroethene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Toluene	BDL	0.025	mg/kg	8260B	12/30/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1,1-Trichloroethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	12/30/09	5
Trichloroethene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	12/30/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	12/30/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	12/30/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	12/30/09	5
Surrogate Recovery						
Toluene-d8	96.5		% Rec.	8260B	12/30/09	5
Dibromofluoromethane	108.		% Rec.	8260B	12/30/09	5
4-Bromofluorobenzene	89.0		% Rec.	8260B	12/30/09	5
Mineral Spirits	BDL	4.0	mg/kg	OA2	12/24/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	12/24/09	1
Diesel (C7-C26)	BDL	4.0	mg/kg	OA2	12/24/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	12/24/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	12/24/09	1
Motor Oil (C16-C40)	BDL	10.	mg/kg	OA2	12/24/09	1
Surrogate recovery(%)						
o-Terphenyl	133.		% Rec.	OA2	12/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 12/30/09 10:52 Printed: 12/30/09 10:52

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REPORT OF ANALYSIS

Mr. Robin Fryberger
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

December 30, 2009

ESC Sample # : L437762-03

Date Received : December 21, 2009
Description : Timmimco

Site ID : DENVER

Sample ID : SMW03 25.5-26.5FT

Project # :

Collected By : Alex Becher
Collection Date : 12/17/09 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.25	mg/kg	8260B	12/29/09	5
Acrylonitrile	BDL	0.050	mg/kg	8260B	12/29/09	5
Benzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Bromobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Bromodichloromethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
Bromoform	BDL	0.0050	mg/kg	8260B	12/29/09	5
Bromomethane	BDL	0.025	mg/kg	8260B	12/29/09	5
n-Butylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
sec-Butylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
tert-Butylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Carbon tetrachloride	BDL	0.0050	mg/kg	8260B	12/29/09	5
Chlorobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Chlorodibromomethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
Chloroethane	BDL	0.025	mg/kg	8260B	12/29/09	5
2-Chloroethyl vinyl ether	BDL	0.25	mg/kg	8260B	12/29/09	5
Chloroform	BDL	0.025	mg/kg	8260B	12/29/09	5
Chloromethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
2-Chlorotoluene	BDL	0.0050	mg/kg	8260B	12/29/09	5
4-Chlorotoluene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2-Dibromo-3-Chloropropane	BDL	0.025	mg/kg	8260B	12/29/09	5
1,2-Dibromoethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
Dibromomethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,3-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,4-Dichlorobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Dichlorodifluoromethane	BDL	0.025	mg/kg	8260B	12/29/09	5
1,1-Dichloroethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2-Dichloroethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1-Dichloroethene	BDL	0.0050	mg/kg	8260B	12/29/09	5
cis-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	12/29/09	5
trans-1,2-Dichloroethene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1-Dichloropropene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,3-Dichloropropane	BDL	0.0050	mg/kg	8260B	12/29/09	5
cis-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	12/29/09	5
trans-1,3-Dichloropropene	BDL	0.0050	mg/kg	8260B	12/29/09	5
2,2-Dichloropropane	BDL	0.0050	mg/kg	8260B	12/29/09	5
Di-isopropyl ether	BDL	0.0050	mg/kg	8260B	12/29/09	5
Ethylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Hexachloro-1,3-butadiene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Isopropylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
p-Isopropyltoluene	BDL	0.0050	mg/kg	8260B	12/29/09	5
2-Butanone (MEK)	BDL	0.050	mg/kg	8260B	12/29/09	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Robin Fryberger
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

December 30, 2009

ESC Sample # : L437762-03

Date Received : December 21, 2009
Description : Timmimco

Site ID : DENVER

Sample ID : SMW03 25.5-26.5FT

Project # :

Collected By : Alex Becher
Collection Date : 12/17/09 12:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Methylene Chloride	BDL	0.025	mg/kg	8260B	12/29/09	5
4-Methyl-2-pentanone (MIBK)	BDL	0.050	mg/kg	8260B	12/29/09	5
Methyl tert-butyl ether	BDL	0.0050	mg/kg	8260B	12/29/09	5
Naphthalene	BDL	0.025	mg/kg	8260B	12/29/09	5
n-Propylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Styrene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1,1,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1,2,2-Tetrachloroethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0050	mg/kg	8260B	12/29/09	5
Tetrachloroethene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Toluene	BDL	0.025	mg/kg	8260B	12/29/09	5
1,2,3-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2,4-Trichlorobenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1,1-Trichloroethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,1,2-Trichloroethane	BDL	0.0050	mg/kg	8260B	12/29/09	5
Trichloroethene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Trichlorofluoromethane	BDL	0.025	mg/kg	8260B	12/29/09	5
1,2,3-Trichloropropane	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2,4-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,2,3-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
1,3,5-Trimethylbenzene	BDL	0.0050	mg/kg	8260B	12/29/09	5
Vinyl chloride	BDL	0.0050	mg/kg	8260B	12/29/09	5
Xylenes, Total	BDL	0.015	mg/kg	8260B	12/29/09	5
Surrogate Recovery						
Toluene-d8	97.7		% Rec.	8260B	12/29/09	5
Dibromofluoromethane	102.		% Rec.	8260B	12/29/09	5
4-Bromofluorobenzene	93.6		% Rec.	8260B	12/29/09	5
Mineral Spirits	BDL	4.0	mg/kg	OA2	12/24/09	1
Kerosene (C9-C16)	BDL	4.0	mg/kg	OA2	12/24/09	1
Diesel (C7-C26)	BDL	4.0	mg/kg	OA2	12/24/09	1
#6 Fuel Oil (C10-C32)	BDL	4.0	mg/kg	OA2	12/24/09	1
Hydraulic Fluid (C12-C33)	BDL	4.0	mg/kg	OA2	12/24/09	1
Motor Oil (C16-C40)	BDL	10.	mg/kg	OA2	12/24/09	1
Surrogate recovery(%)						
o-Terphenyl	140.		% Rec.	OA2	12/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
.
Reported: 12/30/09 10:52 Printed: 12/30/09 10:52

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L437762-01	WG456543	SAMP	Motor Oil (C16-C40)	R1055630	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
12/30/09 at 10:52:51

TSR Signing Reports: 151
R5 - Desired TAT

Auto-QC and chromas on all reports; $2 included in price for chromas Client prefers 2oz jars
for soils PAH = Report BAP at 0.061 ppm

Sample: L437762-01 Account: SUNENVPCO Received: 12/21/09 09:00 Due Date: 12/29/09 00:00 RPT Date: 12/30/09 10:52

Sample: L437762-02 Account: SUNENVPCO Received: 12/21/09 09:00 Due Date: 12/29/09 00:00 RPT Date: 12/30/09 10:52

Sample: L437762-03 Account: SUNENVPCO Received: 12/21/09 09:00 Due Date: 12/29/09 00:00 RPT Date: 12/30/09 10:52

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Mr. Robin Fryberger
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L437762

December 30, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
#6 Fuel Oil (C10-C32)	< 4	mg/kg			WG456543	12/23/09 23:39
Diesel (C7-C26)	< 4	mg/kg			WG456543	12/23/09 23:39
Hydraulic Fluid (C12-C33)	< 4	mg/kg			WG456543	12/23/09 23:39
Kerosene (C9-C16)	< 4	mg/kg			WG456543	12/23/09 23:39
Mineral Spirits	< 4	mg/kg			WG456543	12/23/09 23:39
Motor Oil (C16-C40)	< 10	mg/kg			WG456543	12/23/09 23:39
o-Terphenyl		% Rec.	141.5	50-150	WG456543	12/23/09 23:39
1,1,1,2-Tetrachloroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,1,1-Trichloroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,1,2,2-Tetrachloroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,1,2-Trichloroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,1-Dichloroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,1-Dichloroethene	< .001	mg/kg			WG457183	12/29/09 21:41
1,1-Dichloropropene	< .001	mg/kg			WG457183	12/29/09 21:41
1,2,3-Trichlorobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,2,3-Trichloropropane	< .001	mg/kg			WG457183	12/29/09 21:41
1,2,3-Trimethylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,2,4-Trichlorobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,2,4-Trimethylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,2-Dibromo-3-Chloropropane	< .005	mg/kg			WG457183	12/29/09 21:41
1,2-Dibromoethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,2-Dichlorobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,2-Dichloroethane	< .001	mg/kg			WG457183	12/29/09 21:41
1,2-Dichloropropane	< .001	mg/kg			WG457183	12/29/09 21:41
1,3,5-Trimethylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,3-Dichlorobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
1,3-Dichloropropane	< .001	mg/kg			WG457183	12/29/09 21:41
1,4-Dichlorobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
2,2-Dichloropropane	< .001	mg/kg			WG457183	12/29/09 21:41
2-Butanone (MEK)	< .01	mg/kg			WG457183	12/29/09 21:41
2-Chloroethyl vinyl ether	< .001	mg/kg			WG457183	12/29/09 21:41
2-Chlorotoluene	< .001	mg/kg			WG457183	12/29/09 21:41
4-Chlorotoluene	< .001	mg/kg			WG457183	12/29/09 21:41
4-Methyl-2-pentanone (MIBK)	< .01	mg/kg			WG457183	12/29/09 21:41
Acetone	< .05	mg/kg			WG457183	12/29/09 21:41
Acrylonitrile	< .01	mg/kg			WG457183	12/29/09 21:41
Benzene	< .001	mg/kg			WG457183	12/29/09 21:41
Bromobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Bromodichloromethane	< .001	mg/kg			WG457183	12/29/09 21:41
Bromoform	< .001	mg/kg			WG457183	12/29/09 21:41
Bromomethane	< .005	mg/kg			WG457183	12/29/09 21:41
Carbon tetrachloride	< .001	mg/kg			WG457183	12/29/09 21:41
Chlorobenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Chlorodibromomethane	< .001	mg/kg			WG457183	12/29/09 21:41
Chloroethane	< .005	mg/kg			WG457183	12/29/09 21:41
Chloroform	< .005	mg/kg			WG457183	12/29/09 21:41
Chloromethane	< .001	mg/kg			WG457183	12/29/09 21:41
cis-1,2-Dichloroethene	< .001	mg/kg			WG457183	12/29/09 21:41
cis-1,3-Dichloropropene	< .001	mg/kg			WG457183	12/29/09 21:41
Di-isopropyl ether	< .001	mg/kg			WG457183	12/29/09 21:41
Dibromomethane	< .001	mg/kg			WG457183	12/29/09 21:41
Dichlorodifluoromethane	< .005	mg/kg			WG457183	12/29/09 21:41
Ethylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Hexachloro-1,3-butadiene	< .001	mg/kg			WG457183	12/29/09 21:41
Isopropylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Methyl tert-butyl ether	< .001	mg/kg			WG457183	12/29/09 21:41

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L437762

December 30, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Methylene Chloride	< .005	mg/kg			WG457183	12/29/09 21:41
n-Butylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
n-Propylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Naphthalene	< .005	mg/kg			WG457183	12/29/09 21:41
p-Isopropyltoluene	< .001	mg/kg			WG457183	12/29/09 21:41
sec-Butylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Styrene	< .001	mg/kg			WG457183	12/29/09 21:41
tert-Butylbenzene	< .001	mg/kg			WG457183	12/29/09 21:41
Tetrachloroethene	< .001	mg/kg			WG457183	12/29/09 21:41
Toluene	< .005	mg/kg			WG457183	12/29/09 21:41
trans-1,2-Dichloroethene	< .001	mg/kg			WG457183	12/29/09 21:41
trans-1,3-Dichloropropene	< .001	mg/kg			WG457183	12/29/09 21:41
Trichloroethene	< .001	mg/kg			WG457183	12/29/09 21:41
Trichlorofluoromethane	< .005	mg/kg			WG457183	12/29/09 21:41
Vinyl chloride	< .001	mg/kg			WG457183	12/29/09 21:41
Xylenes, Total	< .003	mg/kg			WG457183	12/29/09 21:41
4-Bromofluorobenzene		% Rec.	93.96	59-140	WG457183	12/29/09 21:41
Dibromofluoromethane		% Rec.	102.3	63-139	WG457183	12/29/09 21:41
Toluene-d8		% Rec.	96.88	84-116	WG457183	12/29/09 21:41

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Diesel (C7-C26)	mg/kg	30	37.3	124.	50-150	WG456543
Motor Oil (C16-C40)	mg/kg	30	22.1	73.5	50-150	WG456543
o-Terphenyl				126.1	50-150	WG456543
1,1,1,2-Tetrachloroethane	mg/kg	.025	0.0284	114.	73-134	WG457183
1,1,1-Trichloroethane	mg/kg	.025	0.0264	106.	62-135	WG457183
1,1,2,2-Tetrachloroethane	mg/kg	.025	0.0304	121.	74-129	WG457183
1,1,2-Trichloroethane	mg/kg	.025	0.0277	111.	77-124	WG457183
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	.025	0.0243	97.3	49-155	WG457183
1,1-Dichloroethane	mg/kg	.025	0.0275	110.	61-134	WG457183
1,1-Dichloroethene	mg/kg	.025	0.0260	104.	53-136	WG457183
1,1-Dichloropropene	mg/kg	.025	0.0263	105.	63-132	WG457183
1,2,3-Trichlorobenzene	mg/kg	.025	0.0269	108.	62-146	WG457183
1,2,3-Trichloropropane	mg/kg	.025	0.0279	112.	70-133	WG457183
1,2,3-Trimethylbenzene	mg/kg	.025	0.0266	106.	73-126	WG457183
1,2,4-Trichlorobenzene	mg/kg	.025	0.0283	113.	61-148	WG457183
1,2,4-Trimethylbenzene	mg/kg	.025	0.0294	118.	68-135	WG457183
1,2-Dibromo-3-Chloropropane	mg/kg	.025	0.0291	116.	61-134	WG457183
1,2-Dibromoethane	mg/kg	.025	0.0285	114.	76-127	WG457183
1,2-Dichlorobenzene	mg/kg	.025	0.0286	114.	77-123	WG457183
1,2-Dichloroethane	mg/kg	.025	0.0267	107.	58-141	WG457183
1,2-Dichloropropane	mg/kg	.025	0.0247	98.6	71-128	WG457183
1,3,5-Trimethylbenzene	mg/kg	.025	0.0293	117.	71-133	WG457183
1,3-Dichlorobenzene	mg/kg	.025	0.0303	121.	71-132	WG457183
1,3-Dichloropropane	mg/kg	.025	0.0278	111.	76-120	WG457183
1,4-Dichlorobenzene	mg/kg	.025	0.0276	110.	72-123	WG457183
2,2-Dichloropropane	mg/kg	.025	0.0215	85.9	50-147	WG457183
2-Butanone (MEK)	mg/kg	.125	0.102	81.9	51-131	WG457183
2-Chloroethyl vinyl ether	mg/kg	.125	0.0808	64.7	0-188	WG457183
2-Chlorotoluene	mg/kg	.025	0.0299	120.	73-128	WG457183
4-Chlorotoluene	mg/kg	.025	0.0302	121.	72-129	WG457183
4-Methyl-2-pentanone (MIBK)	mg/kg	.125	0.134	108.	61-143	WG457183
Acetone	mg/kg	.125	0.144	115.	44-140	WG457183
Acrylonitrile	mg/kg	.125	0.143	114.	55-143	WG457183
Benzene	mg/kg	.025	0.0274	110.	65-128	WG457183

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L437762

December 30, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Bromobenzene	mg/kg	.025	0.0280	112.	75-123	WG457183
Bromodichloromethane	mg/kg	.025	0.0259	103.	66-126	WG457183
Bromoform	mg/kg	.025	0.0289	116.	64-139	WG457183
Bromomethane	mg/kg	.025	0.0247	98.6	41-175	WG457183
Carbon tetrachloride	mg/kg	.025	0.0268	107.	60-140	WG457183
Chlorobenzene	mg/kg	.025	0.0289	116.	75-125	WG457183
Chlorodibromomethane	mg/kg	.025	0.0270	108.	72-137	WG457183
Chloroethane	mg/kg	.025	0.0223	89.1	44-159	WG457183
Chloroform	mg/kg	.025	0.0254	102.	63-123	WG457183
Chloromethane	mg/kg	.025	0.0227	90.7	42-149	WG457183
cis-1,2-Dichloroethene	mg/kg	.025	0.0200	79.9	71-129	WG457183
cis-1,3-Dichloropropene	mg/kg	.025	0.0260	104.	73-132	WG457183
Di-isopropyl ether	mg/kg	.025	0.0260	104.	59-143	WG457183
Dibromomethane	mg/kg	.025	0.0270	108.	70-130	WG457183
Dichlorodifluoromethane	mg/kg	.025	0.0203	81.2	26-186	WG457183
Ethylbenzene	mg/kg	.025	0.0284	114.	74-128	WG457183
Hexachloro-1,3-butadiene	mg/kg	.025	0.0264	105.	65-137	WG457183
Isopropylbenzene	mg/kg	.025	0.0281	112.	73-130	WG457183
Methyl tert-butyl ether	mg/kg	.025	0.0234	93.6	44-148	WG457183
Methylene Chloride	mg/kg	.025	0.0265	106.	57-129	WG457183
n-Butylbenzene	mg/kg	.025	0.0299	119.	60-145	WG457183
n-Propylbenzene	mg/kg	.025	0.0302	121.	71-132	WG457183
Naphthalene	mg/kg	.025	0.0272	109.	61-142	WG457183
p-Isopropyltoluene	mg/kg	.025	0.0261	105.	67-138	WG457183
sec-Butylbenzene	mg/kg	.025	0.0302	121.	71-134	WG457183
Styrene	mg/kg	.025	0.0291	116.	76-133	WG457183
tert-Butylbenzene	mg/kg	.025	0.0289	116.	72-132	WG457183
Tetrachloroethene	mg/kg	.025	0.0274	110.	65-135	WG457183
Toluene	mg/kg	.025	0.0266	106.	70-120	WG457183
trans-1,2-Dichloroethene	mg/kg	.025	0.0262	105.	61-133	WG457183
trans-1,3-Dichloropropene	mg/kg	.025	0.0259	104.	70-135	WG457183
Trichloroethene	mg/kg	.025	0.0259	104.	71-126	WG457183
Trichlorofluoromethane	mg/kg	.025	0.0261	105.	52-147	WG457183
Vinyl chloride	mg/kg	.025	0.0248	99.1	50-151	WG457183
Xylenes, Total	mg/kg	.075	0.0852	114.	74-127	WG457183
4-Bromofluorobenzene				98.10	59-140	WG457183
Dibromofluoromethane				99.57	63-139	WG457183
Toluene-d8				97.95	84-116	WG457183

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Diesel (C7-C26)	mg/kg	36.3	37.3	121.	50-150	2.83	20	WG456543
Motor Oil (C16-C40)	mg/kg	21.4	22.1	71.0	50-150	3.24	25	WG456543
o-Terphenyl				114.6	50-150			WG456543
1,1,1,2-Tetrachloroethane	mg/kg	0.0270	0.0284	108.	73-134	5.18	20	WG457183
1,1,1-Trichloroethane	mg/kg	0.0271	0.0264	108.	62-135	2.51	20	WG457183
1,1,2,2-Tetrachloroethane	mg/kg	0.0278	0.0304	111.	74-129	8.90	20	WG457183
1,1,2-Trichloroethane	mg/kg	0.0269	0.0277	108.	77-124	2.85	20	WG457183
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0245	0.0243	98.0	49-155	0.833	20	WG457183
1,1-Dichloroethane	mg/kg	0.0283	0.0275	113.	61-134	2.77	20	WG457183
1,1-Dichloroethene	mg/kg	0.0261	0.0260	104.	53-136	0.429	20	WG457183
1,1-Dichloropropene	mg/kg	0.0275	0.0263	110.	63-132	4.24	20	WG457183
1,2,3-Trichlorobenzene	mg/kg	0.0275	0.0269	110.	62-146	2.15	20	WG457183
1,2,3-Trichloropropane	mg/kg	0.0271	0.0279	108.	70-133	3.04	20	WG457183
1,2,3-Trimethylbenzene	mg/kg	0.0269	0.0266	107.	73-126	0.911	20	WG457183
1,2,4-Trichlorobenzene	mg/kg	0.0287	0.0283	115.	61-148	1.24	20	WG457183

* Performance of this Analyte is outside of established criteria.
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12065 Lebanon Rd.
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(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

Sundance Environmental Consultants, Inc.
Mr. Robin Fryberger
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L437762

December 30, 2009

		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2,4-Trimethylbenzene	mg/kg	0.0279	0.0294	112.	68-135	5.37	20	WG457183
1,2-Dibromo-3-Chloropropane	mg/kg	0.0293	0.0291	117.	61-134	0.602	21	WG457183
1,2-Dibromoethane	mg/kg	0.0271	0.0285	108.	76-127	5.09	20	WG457183
1,2-Dichlorobenzene	mg/kg	0.0284	0.0286	113.	77-123	0.760	20	WG457183
1,2-Dichloroethane	mg/kg	0.0280	0.0267	112.	58-141	4.90	20	WG457183
1,2-Dichloropropane	mg/kg	0.0241	0.0247	96.0	71-128	2.15	20	WG457183
1,3,5-Trimethylbenzene	mg/kg	0.0280	0.0293	112.	71-133	4.62	20	WG457183
1,3-Dichlorobenzene	mg/kg	0.0283	0.0303	113.	71-132	6.96	20	WG457183
1,3-Dichloropropane	mg/kg	0.0266	0.0278	106.	76-120	4.39	20	WG457183
1,4-Dichlorobenzene	mg/kg	0.0272	0.0276	109.	72-123	1.52	20	WG457183
2,2-Dichloropropane	mg/kg	0.0229	0.0215	92.0	50-147	6.57	20	WG457183
2-Butanone (MEK)	mg/kg	0.106	0.102	85.0	51-131	3.49	25	WG457183
2-Chloroethyl vinyl ether	mg/kg	0.0807	0.0808	64.0	0-188	0.124	39	WG457183
2-Chlorotoluene	mg/kg	0.0286	0.0299	114.	73-128	4.60	20	WG457183
4-Chlorotoluene	mg/kg	0.0288	0.0302	115.	72-129	4.84	20	WG457183
4-Methyl-2-pentanone (MIBK)	mg/kg	0.133	0.134	106.	61-143	0.879	23	WG457183
Acetone	mg/kg	0.144	0.144	115.	44-140	0.414	25	WG457183
Acrylonitrile	mg/kg	0.144	0.143	115.	55-143	0.676	20	WG457183
Benzene	mg/kg	0.0282	0.0274	113.	65-128	2.86	20	WG457183
Bromobenzene	mg/kg	0.0269	0.0280	108.	75-123	3.71	20	WG457183
Bromodichloromethane	mg/kg	0.0256	0.0259	102.	66-126	0.960	20	WG457183
Bromoform	mg/kg	0.0277	0.0289	111.	64-139	4.28	20	WG457183
Bromomethane	mg/kg	0.0256	0.0247	102.	41-175	3.73	20	WG457183
Carbon tetrachloride	mg/kg	0.0274	0.0268	110.	60-140	2.43	20	WG457183
Chlorobenzene	mg/kg	0.0277	0.0289	111.	75-125	4.39	20	WG457183
Chlorodibromomethane	mg/kg	0.0255	0.0270	102.	72-137	5.92	20	WG457183
Chloroethane	mg/kg	0.0227	0.0223	91.0	44-159	1.80	20	WG457183
Chloroform	mg/kg	0.0260	0.0254	104.	63-123	2.32	20	WG457183
Chloromethane	mg/kg	0.0222	0.0227	89.0	42-149	2.35	20	WG457183
cis-1,2-Dichloroethene	mg/kg	0.0206	0.0200	82.0	71-129	3.12	20	WG457183
cis-1,3-Dichloropropene	mg/kg	0.0257	0.0260	103.	73-132	1.35	20	WG457183
Di-isopropyl ether	mg/kg	0.0268	0.0260	107.	59-143	3.23	20	WG457183
Dibromomethane	mg/kg	0.0263	0.0270	105.	70-130	2.43	20	WG457183
Dichlorodifluoromethane	mg/kg	0.0197	0.0203	79.0	26-186	2.79	22	WG457183
Ethylbenzene	mg/kg	0.0273	0.0284	109.	74-128	3.94	20	WG457183
Hexachloro-1,3-butadiene	mg/kg	0.0261	0.0264	104.	65-137	0.788	20	WG457183
Isopropylbenzene	mg/kg	0.0266	0.0281	106.	73-130	5.50	20	WG457183
Methyl tert-butyl ether	mg/kg	0.0239	0.0234	96.0	44-148	2.01	20	WG457183
Methylene Chloride	mg/kg	0.0266	0.0265	106.	57-129	0.558	20	WG457183
n-Butylbenzene	mg/kg	0.0297	0.0299	119.	60-145	0.503	20	WG457183
n-Propylbenzene	mg/kg	0.0264	0.0302	105.	71-132	13.5	20	WG457183
Naphthalene	mg/kg	0.0272	0.0272	109.	61-142	0.0400	20	WG457183
p-Isopropyltoluene	mg/kg	0.0250	0.0261	100.	67-138	4.35	20	WG457183
sec-Butylbenzene	mg/kg	0.0290	0.0302	116.	71-134	4.27	20	WG457183
Styrene	mg/kg	0.0282	0.0291	113.	76-133	2.93	20	WG457183
tert-Butylbenzene	mg/kg	0.0284	0.0289	114.	72-132	1.61	20	WG457183
Tetrachloroethene	mg/kg	0.0267	0.0274	107.	65-135	2.65	20	WG457183
Toluene	mg/kg	0.0261	0.0266	104.	70-120	1.70	20	WG457183
trans-1,2-Dichloroethene	mg/kg	0.0271	0.0262	108.	61-133	3.50	20	WG457183
trans-1,3-Dichloropropene	mg/kg	0.0253	0.0259	101.	70-135	2.53	20	WG457183
Trichloroethene	mg/kg	0.0255	0.0259	102.	71-126	1.50	20	WG457183
Trichlorofluoromethane	mg/kg	0.0262	0.0261	105.	52-147	0.125	20	WG457183
Vinyl chloride	mg/kg	0.0245	0.0248	98.0	50-151	1.03	20	WG457183
Xylenes, Total	mg/kg	0.0813	0.0852	108.	74-127	4.65	20	WG457183
4-Bromofluorobenzene				98.68	59-140			WG457183
Dibromofluoromethane				103.9	63-139			WG457183
Toluene-d8				98.98	84-116			WG457183

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Quality Assurance Report
Level II

L437762

December 30, 2009

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Diesel (C7-C26)	mg/kg	37.7	0	30	126.	50-150	L437762-01	WG456543
Motor Oil (C16-C40)	mg/kg	34.2	0	30	114.	50-150	L437762-01	WG456543
o-Terphenyl					113.5	50-150		WG456543
1,1,1,2-Tetrachloroethane	mg/kg	0.107	0	.025	85.6	29-145	L437762-03	WG457183
1,1,1-Trichloroethane	mg/kg	0.0879	0	.025	70.3	23-147	L437762-03	WG457183
1,1,2,2-Tetrachloroethane	mg/kg	0.119	0	.025	95.0	18-150	L437762-03	WG457183
1,1,2-Trichloroethane	mg/kg	0.121	0	.025	97.1	35-140	L437762-03	WG457183
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0632	0	.025	50.6	10-145	L437762-03	WG457183
1,1-Dichloroethane	mg/kg	0.0788	0	.025	63.1	24-148	L437762-03	WG457183
1,1-Dichloroethene	mg/kg	0.0796	0	.025	63.7	10-149	L437762-03	WG457183
1,1-Dichloropropene	mg/kg	0.0800	0	.025	64.0	10-141	L437762-03	WG457183
1,2,3-Trichlorobenzene	mg/kg	0.0869	0	.025	69.5	10-129	L437762-03	WG457183
1,2,3-Trichloropropane	mg/kg	0.119	0	.025	94.8	30-148	L437762-03	WG457183
1,2,3-Trimethylbenzene	mg/kg	0.0941	0	.025	75.3	10-137	L437762-03	WG457183
1,2,4-Trichlorobenzene	mg/kg	0.0768	0	.025	61.5	10-119	L437762-03	WG457183
1,2,4-Trimethylbenzene	mg/kg	0.0861	0	.025	68.8	10-145	L437762-03	WG457183
1,2-Dibromo-3-Chloropropane	mg/kg	0.140	0	.025	112.	19-145	L437762-03	WG457183
1,2-Dibromoethane	mg/kg	0.124	0	.025	99.0	24-145	L437762-03	WG457183
1,2-Dichlorobenzene	mg/kg	0.107	0	.025	85.9	12-130	L437762-03	WG457183
1,2-Dichloroethane	mg/kg	0.114	0	.025	91.0	21-155	L437762-03	WG457183
1,2-Dichloropropane	mg/kg	0.0978	0	.025	78.3	28-144	L437762-03	WG457183
1,3,5-Trimethylbenzene	mg/kg	0.0839	0	.025	67.1	10-135	L437762-03	WG457183
1,3-Dichlorobenzene	mg/kg	0.0913	0	.025	73.1	10-129	L437762-03	WG457183
1,3-Dichloropropane	mg/kg	0.119	0	.025	95.3	31-137	L437762-03	WG457183
1,4-Dichlorobenzene	mg/kg	0.0906	0	.025	72.5	10-121	L437762-03	WG457183
2,2-Dichloropropane	mg/kg	0.0651	0	.025	52.1	18-144	L437762-03	WG457183
2-Butanone (MEK)	mg/kg	0.466	0	.125	74.5	21-143	L437762-03	WG457183
2-Chloroethyl vinyl ether	mg/kg	0.459	0	.125	73.4	0-176	L437762-03	WG457183
2-Chlorotoluene	mg/kg	0.0921	0	.025	73.6	10-132	L437762-03	WG457183
4-Chlorotoluene	mg/kg	0.0896	0	.025	71.7	10-129	L437762-03	WG457183
4-Methyl-2-pentanone (MIBK)	mg/kg	0.638	0	.125	102.	31-151	L437762-03	WG457183
Acetone	mg/kg	0.642	0	.125	103.	13-158	L437762-03	WG457183
Acrylonitrile	mg/kg	0.641	0	.125	102.	20-154	L437762-03	WG457183
Benzene	mg/kg	0.101	0	.025	80.7	16-143	L437762-03	WG457183
Bromobenzene	mg/kg	0.0959	0	.025	76.7	14-135	L437762-03	WG457183
Bromodichloromethane	mg/kg	0.109	0	.025	86.9	27-139	L437762-03	WG457183
Bromoform	mg/kg	0.125	0	.025	100.	21-144	L437762-03	WG457183
Bromomethane	mg/kg	0.0913	0	.025	73.1	0-180	L437762-03	WG457183
Carbon tetrachloride	mg/kg	0.0837	0	.025	66.9	12-149	L437762-03	WG457183
Chlorobenzene	mg/kg	0.102	0	.025	81.4	17-134	L437762-03	WG457183
Chlorodibromomethane	mg/kg	0.114	0	.025	91.5	28-147	L437762-03	WG457183
Chloroethane	mg/kg	0.0739	0	.025	59.2	0-172	L437762-03	WG457183
Chloroform	mg/kg	0.0963	0	.025	77.0	28-138	L437762-03	WG457183
Chloromethane	mg/kg	0.0717	0	.025	57.3	10-158	L437762-03	WG457183
cis-1,2-Dichloroethene	mg/kg	0.0759	0	.025	60.7	21-147	L437762-03	WG457183
cis-1,3-Dichloropropene	mg/kg	0.104	0	.025	83.1	17-145	L437762-03	WG457183
Di-isopropyl ether	mg/kg	0.0868	0	.025	69.4	31-153	L437762-03	WG457183
Dibromomethane	mg/kg	0.118	0	.025	94.6	24-147	L437762-03	WG457183
Dichlorodifluoromethane	mg/kg	0.0471	0	.025	37.7	0-192	L437762-03	WG457183
Ethylbenzene	mg/kg	0.0888	0	.025	71.0	12-137	L437762-03	WG457183
Hexachloro-1,3-butadiene	mg/kg	0.0586	0	.025	46.8	10-123	L437762-03	WG457183
Isopropylbenzene	mg/kg	0.0829	0	.025	66.3	14-134	L437762-03	WG457183
Methyl tert-butyl ether	mg/kg	0.101	0	.025	81.0	21-157	L437762-03	WG457183
Methylene Chloride	mg/kg	0.104	0	.025	82.9	12-149	L437762-03	WG457183
n-Butylbenzene	mg/kg	0.0687	0	.025	55.0	10-130	L437762-03	WG457183
n-Propylbenzene	mg/kg	0.0818	0	.025	65.4	10-130	L437762-03	WG457183
Naphthalene	mg/kg	0.111	0	.025	88.9	0-146	L437762-03	WG457183
p-Isopropyltoluene	mg/kg	0.0665	0	.025	53.2	10-131	L437762-03	WG457183

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December 30, 2009

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
sec-Butylbenzene	mg/kg	0.0785	0	.025	62.8	10-134	L437762-03	WG457183
Styrene	mg/kg	0.101	0	.025	80.4	10-140	L437762-03	WG457183
tert-Butylbenzene	mg/kg	0.0879	0	.025	70.3	11-137	L437762-03	WG457183
Tetrachloroethene	mg/kg	0.0761	0	.025	60.8	10-131	L437762-03	WG457183
Toluene	mg/kg	0.0934	0	.025	74.7	12-136	L437762-03	WG457183
trans-1,2-Dichloroethene	mg/kg	0.0870	0	.025	69.6	10-143	L437762-03	WG457183
trans-1,3-Dichloropropene	mg/kg	0.108	0	.025	86.5	16-147	L437762-03	WG457183
Trichloroethene	mg/kg	0.0909	0	.025	72.7	10-155	L437762-03	WG457183
Trichlorofluoromethane	mg/kg	0.0692	0	.025	55.3	10-154	L437762-03	WG457183
Vinyl chloride	mg/kg	0.0726	0	.025	58.1	10-159	L437762-03	WG457183
Xylenes, Total	mg/kg	0.268	0	.075	71.5	10-138	L437762-03	WG457183
4-Bromofluorobenzene					94.76	59-140		WG457183
Dibromofluoromethane					100.7	63-139		WG457183
Toluene-d8					99.56	84-116		WG457183

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Diesel (C7-C26)	mg/kg	36.7	37.7	122.	50-150	2.75	20	L437762-01	WG456543
Motor Oil (C16-C40)	mg/kg	22.7	34.2	75.7	50-150	40.3*	25	L437762-01	WG456543
o-Terphenyl				119.1	50-150				WG456543
1,1,1,2-Tetrachloroethane	mg/kg	0.108	0.107	86.6	29-145	1.27	31	L437762-03	WG457183
1,1,1-Trichloroethane	mg/kg	0.0928	0.0879	74.2	23-147	5.39	32	L437762-03	WG457183
1,1,2,2-Tetrachloroethane	mg/kg	0.123	0.119	98.0	18-150	3.07	33	L437762-03	WG457183
1,1,2-Trichloroethane	mg/kg	0.121	0.121	97.1	35-140	0.0438	29	L437762-03	WG457183
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/kg	0.0656	0.0632	52.4	10-145	3.62	35	L437762-03	WG457183
1,1-Dichloroethane	mg/kg	0.105	0.0788	83.6	24-148	28.1	31	L437762-03	WG457183
1,1-Dichloroethene	mg/kg	0.0840	0.0796	67.2	10-149	5.43	34	L437762-03	WG457183
1,1-Dichloropropene	mg/kg	0.0841	0.0800	67.2	10-141	4.95	34	L437762-03	WG457183
1,2,3-Trichlorobenzene	mg/kg	0.0912	0.0869	73.0	10-129	4.88	43	L437762-03	WG457183
1,2,3-Trichloropropane	mg/kg	0.125	0.119	99.9	30-148	5.24	32	L437762-03	WG457183
1,2,3-Trimethylbenzene	mg/kg	0.0929	0.0941	74.3	10-137	1.26	36	L437762-03	WG457183
1,2,4-Trichlorobenzene	mg/kg	0.0774	0.0768	62.0	10-119	0.788	44	L437762-03	WG457183
1,2,4-Trimethylbenzene	mg/kg	0.0849	0.0861	67.9	10-145	1.32	41	L437762-03	WG457183
1,2-Dibromo-3-Chloropropane	mg/kg	0.155	0.140	124.	19-145	9.89	35	L437762-03	WG457183
1,2-Dibromoethane	mg/kg	0.124	0.124	99.0	24-145	0.00695	31	L437762-03	WG457183
1,2-Dichlorobenzene	mg/kg	0.105	0.107	84.0	12-130	2.21	35	L437762-03	WG457183
1,2-Dichloroethane	mg/kg	0.121	0.114	97.2	21-155	6.61	29	L437762-03	WG457183
1,2-Dichloropropane	mg/kg	0.0992	0.0978	79.4	28-144	1.42	30	L437762-03	WG457183
1,3,5-Trimethylbenzene	mg/kg	0.0845	0.0839	67.6	10-135	0.737	39	L437762-03	WG457183
1,3-Dichlorobenzene	mg/kg	0.0884	0.0913	70.7	10-129	3.30	38	L437762-03	WG457183
1,3-Dichloropropane	mg/kg	0.118	0.119	94.2	31-137	1.14	29	L437762-03	WG457183
1,4-Dichlorobenzene	mg/kg	0.0874	0.0906	69.9	10-121	3.68	36	L437762-03	WG457183
2,2-Dichloropropane	mg/kg	0.0736	0.0651	58.9	18-144	12.2	32	L437762-03	WG457183
2-Butanone (MEK)	mg/kg	0.571	0.466	91.3	21-143	20.2	37	L437762-03	WG457183
2-Chloroethyl vinyl ether	mg/kg	0.467	0.459	74.8	0-176	1.91	50	L437762-03	WG457183
2-Chlorotoluene	mg/kg	0.0928	0.0921	74.2	10-132	0.800	37	L437762-03	WG457183
4-Chlorotoluene	mg/kg	0.0894	0.0896	71.5	10-129	0.198	38	L437762-03	WG457183
4-Methyl-2-pentanone (MIBK)	mg/kg	0.678	0.638	108.	31-151	6.03	36	L437762-03	WG457183
Acetone	mg/kg	0.733	0.642	117.	13-158	13.3	34	L437762-03	WG457183
Acrylonitrile	mg/kg	0.724	0.641	116.	20-154	12.1	35	L437762-03	WG457183
Benzene	mg/kg	0.104	0.101	83.0	16-143	2.75	31	L437762-03	WG457183
Bromobenzene	mg/kg	0.0990	0.0959	79.2	14-135	3.23	39	L437762-03	WG457183
Bromodichloromethane	mg/kg	0.106	0.109	84.6	27-139	2.67	30	L437762-03	WG457183
Bromoform	mg/kg	0.128	0.125	103.	21-144	2.64	34	L437762-03	WG457183
Bromomethane	mg/kg	0.0885	0.0913	70.8	0-180	3.17	41	L437762-03	WG457183
Carbon tetrachloride	mg/kg	0.0868	0.0837	69.4	12-149	3.69	34	L437762-03	WG457183

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L437762

December 30, 2009

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chlorobenzene	mg/kg	0.101	0.102	80.5	17-134	1.04	34	L437762-03	WG457183
Chlorodibromomethane	mg/kg	0.114	0.114	91.0	28-147	0.476	32	L437762-03	WG457183
Chloroethane	mg/kg	0.0750	0.0739	60.0	0-172	1.47	38	L437762-03	WG457183
Chloroform	mg/kg	0.101	0.0963	80.8	28-138	4.71	30	L437762-03	WG457183
Chloromethane	mg/kg	0.0703	0.0717	56.2	10-158	1.94	35	L437762-03	WG457183
cis-1,2-Dichloroethene	mg/kg	0.0811	0.0759	64.9	21-147	6.60	31	L437762-03	WG457183
cis-1,3-Dichloropropene	mg/kg	0.102	0.104	81.8	17-145	1.55	32	L437762-03	WG457183
Di-isopropyl ether	mg/kg	0.112	0.0868	89.9	31-153	25.7	29	L437762-03	WG457183
Dibromomethane	mg/kg	0.119	0.118	95.4	24-147	0.852	30	L437762-03	WG457183
Dichlorodifluoromethane	mg/kg	0.0438	0.0471	35.0	0-192	7.34	38	L437762-03	WG457183
Ethylbenzene	mg/kg	0.0890	0.0888	71.2	12-137	0.287	36	L437762-03	WG457183
Hexachloro-1,3-butadiene	mg/kg	0.0560	0.0586	44.8	10-123	4.49	50	L437762-03	WG457183
Isopropylbenzene	mg/kg	0.0839	0.0829	67.1	14-134	1.26	37	L437762-03	WG457183
Methyl tert-butyl ether	mg/kg	0.111	0.101	88.6	21-157	9.06	31	L437762-03	WG457183
Methylene Chloride	mg/kg	0.106	0.104	85.0	12-149	2.59	31	L437762-03	WG457183
n-Butylbenzene	mg/kg	0.0662	0.0687	52.9	10-130	3.79	48	L437762-03	WG457183
n-Propylbenzene	mg/kg	0.0820	0.0818	65.6	10-130	0.271	40	L437762-03	WG457183
Naphthalene	mg/kg	0.120	0.111	96.0	0-146	7.65	43	L437762-03	WG457183
p-Isopropyltoluene	mg/kg	0.0648	0.0665	51.8	10-131	2.64	43	L437762-03	WG457183
sec-Butylbenzene	mg/kg	0.0768	0.0785	61.4	10-134	2.16	43	L437762-03	WG457183
Styrene	mg/kg	0.101	0.101	80.7	10-140	0.333	35	L437762-03	WG457183
tert-Butylbenzene	mg/kg	0.0855	0.0879	68.4	11-137	2.79	39	L437762-03	WG457183
Tetrachloroethene	mg/kg	0.0754	0.0761	60.3	10-131	0.863	35	L437762-03	WG457183
Toluene	mg/kg	0.0930	0.0934	74.4	12-136	0.360	32	L437762-03	WG457183
trans-1,2-Dichloroethene	mg/kg	0.0911	0.0870	72.8	10-143	4.54	33	L437762-03	WG457183
trans-1,3-Dichloropropene	mg/kg	0.109	0.108	86.9	16-147	0.476	32	L437762-03	WG457183
Trichloroethene	mg/kg	0.0920	0.0909	73.6	10-155	1.20	33	L437762-03	WG457183
Trichlorofluoromethane	mg/kg	0.0747	0.0692	59.7	10-154	7.67	32	L437762-03	WG457183
Vinyl chloride	mg/kg	0.0710	0.0726	56.8	10-159	2.23	36	L437762-03	WG457183
Xylenes, Total	mg/kg	0.266	0.268	70.8	10-138	0.937	36	L437762-03	WG457183
4-Bromofluorobenzene				96.68	59-140				WG457183
Dibromofluoromethane				104.6	63-139				WG457183
Toluene-d8				98.19	84-116				WG457183

Batch number /Run number / Sample number cross reference

WG456543: R1055630: L437762-01 02 03
WG457183: R1059088: L437762-01 02 03

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

12065 Lebanon Rd.
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Sundance Environmental Consultants, Inc.
Mr. Robin Fryberger
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L437762

December 30, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address

Sundance Environmental Consultants

11584 Wilson Circle
Parker, Co. 80134

Alternate Billing

Report to: Robin Fryberger / Alex Becker

E-mail to: rfryberger@sundanceenv.com

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

E049

Prepared by:

ENVIRONMENTAL Science corp
12065 Lebanon Road
Mt. Juliet TN 37122

Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

Project Description: Timminko

PHONE: 303-699-7870
FAX:

Client Project No.: Tim

Lab Project #

Collected by: Alex Becker

Site/Facility ID#: Denver

P.O.#

Collected by(signature):

Packed on Ice N___ Y✓

Rush? (Lab MUST be Notified)
_____Same Day.....200%
_____Next Day.....100%
_____Two Day.....50%

Date Results Needed

Email?___No___Yes
FAX?___No___Yes

CoCode (lab use only)

Template/Prelogin

Shipped Via: Denver Service Center

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	V8260 (2) 40ml w/ HCl	O&G 1661 1L Clr w/ HCl by OA2 * <2	V8260 soil 4oz jar	O&G soil 4oz jar	PCB's ~~4oz jar~~ 1L amber no pres *				Remarks/contaminant	Sample # (lab only)
SMW-01	G	GW	NA	12/29/09	1410	4	X	X			X					L438453-01
SMW-02	↓	↓	↓	↓	1450	↓	↓	↓			↓					-02
SMW-03	↓	↓	↓	↓	1338	↓	↓	↓			↓					-03

*Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks: 11380 Smith Rd, Aurora, CO * Low D.L.s required

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx X UPS__Other__	Condition (lab use only)
	12/28/09	1630	Cindy Summey	8632 6265 5109	
Relinquisher by:(Signature	Date:	Time:	Received by: (Signature)	Temp: 3.4 / Bottles Received: 12	
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 12/29/09 / Time: 0900	pH Checked: <2 / NCF: ✓

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L438453

Date: 12/29/09

Evaluated by: Kevin Wallace

Client: SUNENVPCO

Non-Conformance (check applicable items)

_____	Chain of Custody is missing	____X___	Login Clarification Needed
_____	Improper container type	_____	Improper preservation
_____	Chain of custody is incomplete	_____	Container lid not intact
_____	Parameter(s) past holding time	_____	Improper temperature
_____	Broken container(s) **see below**	_____	Broken container: sufficient sample volume remains for analysis requested

_____ Insufficient packing material around container

_____ Insufficient packing material inside cooler

_____ Improper handling by carrier (FedEx / UPS / Courier)

_____ Sample was frozen

Comments: Clarify OGHEX by OA2. Received 1Liter clear HCL preserved.

Login Instructions: **TSR Initials:** ___JB_____

Client informed by call / email / fax / voice mail date: _12/30/09___ time: __203___

Client contact:

run oa2

12065 Lebanon Rd.
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Alex Becker
Sundance Environmental Consultants, Inc.
11584 Wilson Circle

Parker, CO 80134

Report Summary

Wednesday January 06, 2010

Report Number: L438453
Samples Received: 12/29/09
Client Project: TIM

Description: Timminco

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

John D. Blackman, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

January 06, 2010

ESC Sample # : L438453-02

Date Received : December 29, 2009
Description : Timminko

Site ID :

Sample ID : SMW-02

Project # : TIM

Collected By : Alex Becker
Collection Date : 12/28/09 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	01/05/10	1
Acrolein	BDL	0.050	mg/l	8260B	01/05/10	1
Acrylonitrile	BDL	0.010	mg/l	8260B	01/05/10	1
Benzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Bromobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	01/05/10	1
Bromoform	BDL	0.0010	mg/l	8260B	01/05/10	1
Bromomethane	BDL	0.0050	mg/l	8260B	01/05/10	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	01/05/10	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	01/05/10	1
Chloroethane	BDL	0.0050	mg/l	8260B	01/05/10	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	01/05/10	1
Chloroform	BDL	0.0050	mg/l	8260B	01/05/10	1
Chloromethane	BDL	0.0025	mg/l	8260B	01/05/10	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	01/05/10	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	01/05/10	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	01/05/10	1
Dibromomethane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	01/05/10	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	01/05/10	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	01/05/10	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	01/05/10	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	01/05/10	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	01/05/10	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	01/05/10	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	01/05/10	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	01/05/10	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	01/05/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

January 06, 2010

ESC Sample # : L438453-02

Date Received : December 29, 2009
Description : Timminko

Site ID :

Sample ID : SMW-02

Project # : TIM

Collected By : Alex Becker
Collection Date : 12/28/09 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	01/05/10	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	01/05/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	01/05/10	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	01/05/10	1
Naphthalene	BDL	0.0050	mg/l	8260B	01/05/10	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Styrene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	01/05/10	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	01/05/10	1
Toluene	BDL	0.0050	mg/l	8260B	01/05/10	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,1,1-Trichloroethane	0.0093	0.0010	mg/l	8260B	01/05/10	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	01/05/10	1
Trichloroethene	BDL	0.0010	mg/l	8260B	01/05/10	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	01/05/10	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	01/05/10	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	01/05/10	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	01/05/10	1
Surrogate Recovery						
Toluene-d8	94.7		% Rec.	8260B	01/05/10	1
Dibromofluoromethane	96.4		% Rec.	8260B	01/05/10	1
4-Bromofluorobenzene	108.		% Rec.	8260B	01/05/10	1
Mineral Spirits	BDL	0.10	mg/l	OA2	01/02/10	1
Kerosene (C9-C16)	BDL	0.10	mg/l	OA2	01/02/10	1
Diesel (C7-C26)	BDL	0.10	mg/l	OA2	01/02/10	1
#6 Fuel Oil (C10-C32)	BDL	0.10	mg/l	OA2	01/02/10	1
Hydraulic Fluid (C12-C33)	BDL	0.10	mg/l	OA2	01/02/10	1
Motor Oil (C16-C40)	BDL	0.50	mg/l	OA2	01/02/10	1
Surrogate recovery(%)						
o-Terphenyl	112.		% Rec.	OA2	01/02/10	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082	01/04/10	1
PCB 1221	BDL	0.00050	mg/l	8082	01/04/10	1
PCB 1232	BDL	0.00050	mg/l	8082	01/04/10	1
PCB 1242	BDL	0.00050	mg/l	8082	01/04/10	1
PCB 1248	BDL	0.00050	mg/l	8082	01/04/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

January 06, 2010

ESC Sample # : L438453-02

Date Received : December 29, 2009
Description : Timminko

Site ID :

Sample ID : SMW-02

Project # : TIM

Collected By : Alex Becker
Collection Date : 12/28/09 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
PCB 1254	BDL	0.00050	mg/l	8082	01/04/10	1
PCB 1260	BDL	0.00050	mg/l	8082	01/04/10	1
PCBs Surrogates						
Decachlorobiphenyl	54.2		% Rec.	8082	01/04/10	1
Tetrachloro-m-xylene	89.3		% Rec.	8082	01/04/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 01/06/10 10:57 Printed: 01/06/10 10:58

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

January 06, 2010

ESC Sample # : L438453-03

Date Received : December 29, 2009
Description : Timminko

Site ID :

Sample ID : SMW-03

Project # : TIM

Collected By : Alex Becker
Collection Date : 12/28/09 13:38

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	0.050	mg/l	8260B	01/06/10	1
Acrolein	BDL	0.050	mg/l	8260B	01/06/10	1
Acrylonitrile	BDL	0.010	mg/l	8260B	01/06/10	1
Benzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Bromobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Bromodichloromethane	BDL	0.0010	mg/l	8260B	01/06/10	1
Bromoform	BDL	0.0010	mg/l	8260B	01/06/10	1
Bromomethane	BDL	0.0050	mg/l	8260B	01/06/10	1
n-Butylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
sec-Butylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
tert-Butylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Carbon tetrachloride	BDL	0.0010	mg/l	8260B	01/06/10	1
Chlorobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Chlorodibromomethane	BDL	0.0010	mg/l	8260B	01/06/10	1
Chloroethane	BDL	0.0050	mg/l	8260B	01/06/10	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/l	8260B	01/06/10	1
Chloroform	BDL	0.0050	mg/l	8260B	01/06/10	1
Chloromethane	BDL	0.0025	mg/l	8260B	01/06/10	1
2-Chlorotoluene	BDL	0.0010	mg/l	8260B	01/06/10	1
4-Chlorotoluene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2-Dibromo-3-Chloropropane	BDL	0.0050	mg/l	8260B	01/06/10	1
1,2-Dibromoethane	BDL	0.0010	mg/l	8260B	01/06/10	1
Dibromomethane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2-Dichlorobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,3-Dichlorobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,4-Dichlorobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Dichlorodifluoromethane	BDL	0.0050	mg/l	8260B	01/06/10	1
1,1-Dichloroethane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2-Dichloroethane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1-Dichloroethene	BDL	0.0010	mg/l	8260B	01/06/10	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	01/06/10	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2-Dichloropropane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1-Dichloropropene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,3-Dichloropropane	BDL	0.0010	mg/l	8260B	01/06/10	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	01/06/10	1
trans-1,3-Dichloropropene	BDL	0.0010	mg/l	8260B	01/06/10	1
2,2-Dichloropropane	BDL	0.0010	mg/l	8260B	01/06/10	1
Di-isopropyl ether	BDL	0.0010	mg/l	8260B	01/06/10	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Hexachloro-1,3-butadiene	BDL	0.0010	mg/l	8260B	01/06/10	1
Isopropylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
p-Isopropyltoluene	BDL	0.0010	mg/l	8260B	01/06/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

January 06, 2010

ESC Sample # : L438453-03

Date Received : December 29, 2009
Description : Timminko

Site ID :

Sample ID : SMW-03

Project # : TIM

Collected By : Alex Becker
Collection Date : 12/28/09 13:38

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.010	mg/l	8260B	01/06/10	1
Methylene Chloride	BDL	0.0050	mg/l	8260B	01/06/10	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/l	8260B	01/06/10	1
Methyl tert-butyl ether	BDL	0.0010	mg/l	8260B	01/06/10	1
Naphthalene	BDL	0.0050	mg/l	8260B	01/06/10	1
n-Propylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Styrene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	0.0010	mg/l	8260B	01/06/10	1
Tetrachloroethene	BDL	0.0010	mg/l	8260B	01/06/10	1
Toluene	BDL	0.0050	mg/l	8260B	01/06/10	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1,1-Trichloroethane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,1,2-Trichloroethane	BDL	0.0010	mg/l	8260B	01/06/10	1
Trichloroethene	BDL	0.0010	mg/l	8260B	01/06/10	1
Trichlorofluoromethane	BDL	0.0050	mg/l	8260B	01/06/10	1
1,2,3-Trichloropropane	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,2,3-Trimethylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/l	8260B	01/06/10	1
Vinyl chloride	BDL	0.0010	mg/l	8260B	01/06/10	1
Xylenes, Total	BDL	0.0030	mg/l	8260B	01/06/10	1
Surrogate Recovery						
Toluene-d8	102.		% Rec.	8260B	01/06/10	1
Dibromofluoromethane	104.		% Rec.	8260B	01/06/10	1
4-Bromofluorobenzene	105.		% Rec.	8260B	01/06/10	1
Mineral Spirits	BDL	0.10	mg/l	OA2	01/02/10	1
Kerosene (C9-C16)	BDL	0.10	mg/l	OA2	01/02/10	1
Diesel (C7-C26)	BDL	0.10	mg/l	OA2	01/02/10	1
#6 Fuel Oil (C10-C32)	BDL	0.10	mg/l	OA2	01/02/10	1
Hydraulic Fluid (C12-C33)	BDL	0.10	mg/l	OA2	01/02/10	1
Motor Oil (C16-C40)	BDL	0.50	mg/l	OA2	01/02/10	1
Surrogate recovery(%)						
o-Terphenyl	83.3		% Rec.	OA2	01/02/10	1
Polychlorinated Biphenyls						
PCB 1016	BDL	0.00050	mg/l	8082	12/31/09	1
PCB 1221	BDL	0.00050	mg/l	8082	12/31/09	1
PCB 1232	BDL	0.00050	mg/l	8082	12/31/09	1
PCB 1242	BDL	0.00050	mg/l	8082	12/31/09	1
PCB 1248	BDL	0.00050	mg/l	8082	12/31/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Alex Becker
Sundance Environmental Consultants,
11584 Wilson Circle
Parker, CO 80134

January 06, 2010

ESC Sample # : L438453-03

Date Received : December 29, 2009
Description : Timminko

Site ID :

Sample ID : SMW-03

Project # : TIM

Collected By : Alex Becker
Collection Date : 12/28/09 13:38

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
PCB 1254	BDL	0.00050	mg/l	8082	12/31/09	1
PCB 1260	BDL	0.00050	mg/l	8082	12/31/09	1
PCBs Surrogates						
Decachlorobiphenyl	44.5		% Rec.	8082	12/31/09	1
Tetrachloro-m-xylene	89.6		% Rec.	8082	12/31/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
.
Reported: 01/06/10 10:57 Printed: 01/06/10 10:58

Summary of Remarks For Samples Printed
01/06/10 at 10:58:21

TSR Signing Reports: 151
R5 - Desired TAT

Auto-QC and chromas on all reports; $2 included in price for chromas Client prefers 2oz jars
for soils . TPHKS = GRO and FULL 8260 List PAH = Report BAP at 0.061 ppm

Sample: L438453-01 Account: SUNENVPCO Received: 12/29/09 09:00 Due Date: 01/06/10 00:00 RPT Date: 01/06/10 10:57

Sample: L438453-02 Account: SUNENVPCO Received: 12/29/09 09:00 Due Date: 01/06/10 00:00 RPT Date: 01/06/10 10:57

Sample: L438453-03 Account: SUNENVPCO Received: 12/29/09 09:00 Due Date: 01/06/10 00:00 RPT Date: 01/06/10 10:57

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Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L438453

January 06, 2010

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
PCB 1016	< .0005	mg/l			WG457256	12/30/09 10:47
PCB 1221	< .0005	mg/l			WG457256	12/30/09 10:47
PCB 1232	< .0005	mg/l			WG457256	12/30/09 10:47
PCB 1242	< .0005	mg/l			WG457256	12/30/09 10:47
PCB 1248	< .0005	mg/l			WG457256	12/30/09 10:47
PCB 1254	< .0005	mg/l			WG457256	12/30/09 10:47
PCB 1260	< .0005	mg/l			WG457256	12/30/09 10:47
Decachlorobiphenyl		% Rec.	97.35	10-122.6	WG457256	12/30/09 10:47
Tetrachloro-m-xylene		% Rec.	108.9	15.3-114.2	WG457256	12/30/09 10:47
#6 Fuel Oil (C10-C32)	< .1	mg/l			WG457411	01/02/10 20:26
Diesel (C7-C26)	< .1	mg/l			WG457411	01/02/10 20:26
Hydraulic Fluid (C12-C33)	< .1	mg/l			WG457411	01/02/10 20:26
Kerosene (C9-C16)	< .1	mg/l			WG457411	01/02/10 20:26
Mineral Spirits	< .1	mg/l			WG457411	01/02/10 20:26
Motor Oil (C16-C40)	< .25	mg/l			WG457411	01/02/10 20:26
o-Terphenyl		% Rec.	93.48	50-150	WG457411	01/02/10 20:26
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,1,1-Trichloroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,1,2-Trichloroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,1-Dichloroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,1-Dichloroethene	< .001	mg/l			WG457681	01/04/10 06:09
1,1-Dichloropropene	< .001	mg/l			WG457681	01/04/10 06:09
1,2,3-Trichlorobenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,2,3-Trichloropropane	< .001	mg/l			WG457681	01/04/10 06:09
1,2,3-Trimethylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,2,4-Trichlorobenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,2,4-Trimethylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG457681	01/04/10 06:09
1,2-Dibromoethane	< .001	mg/l			WG457681	01/04/10 06:09
1,2-Dichlorobenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,2-Dichloroethane	< .001	mg/l			WG457681	01/04/10 06:09
1,2-Dichloropropane	< .001	mg/l			WG457681	01/04/10 06:09
1,3,5-Trimethylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,3-Dichlorobenzene	< .001	mg/l			WG457681	01/04/10 06:09
1,3-Dichloropropane	< .001	mg/l			WG457681	01/04/10 06:09
1,4-Dichlorobenzene	< .001	mg/l			WG457681	01/04/10 06:09
2,2-Dichloropropane	< .001	mg/l			WG457681	01/04/10 06:09
2-Butanone (MEK)	< .01	mg/l			WG457681	01/04/10 06:09
2-Chloroethyl vinyl ether	< .001	mg/l			WG457681	01/04/10 06:09
2-Chlorotoluene	< .001	mg/l			WG457681	01/04/10 06:09
4-Chlorotoluene	< .001	mg/l			WG457681	01/04/10 06:09
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG457681	01/04/10 06:09
Acetone	< .05	mg/l			WG457681	01/04/10 06:09
Acrolein	< .05	mg/l			WG457681	01/04/10 06:09
Acrylonitrile	< .01	mg/l			WG457681	01/04/10 06:09
Benzene	< .001	mg/l			WG457681	01/04/10 06:09
Bromobenzene	< .001	mg/l			WG457681	01/04/10 06:09
Bromodichloromethane	< .001	mg/l			WG457681	01/04/10 06:09
Bromoform	< .001	mg/l			WG457681	01/04/10 06:09
Bromomethane	< .005	mg/l			WG457681	01/04/10 06:09
Carbon tetrachloride	< .001	mg/l			WG457681	01/04/10 06:09
Chlorobenzene	< .001	mg/l			WG457681	01/04/10 06:09
Chlorodibromomethane	< .001	mg/l			WG457681	01/04/10 06:09

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L438453

January 06, 2010

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloroethane	< .001	mg/l			WG457681	01/04/10 06:09
Chloroform	< .005	mg/l			WG457681	01/04/10 06:09
Chloromethane	< .001	mg/l			WG457681	01/04/10 06:09
cis-1,2-Dichloroethene	< .001	mg/l			WG457681	01/04/10 06:09
cis-1,3-Dichloropropene	< .001	mg/l			WG457681	01/04/10 06:09
Di-isopropyl ether	< .001	mg/l			WG457681	01/04/10 06:09
Dibromomethane	< .001	mg/l			WG457681	01/04/10 06:09
Dichlorodifluoromethane	< .005	mg/l			WG457681	01/04/10 06:09
Ethylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
Hexachloro-1,3-butadiene	< .001	mg/l			WG457681	01/04/10 06:09
Isopropylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
Methyl tert-butyl ether	< .001	mg/l			WG457681	01/04/10 06:09
Methylene Chloride	< .005	mg/l			WG457681	01/04/10 06:09
n-Butylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
n-Propylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
Naphthalene	< .005	mg/l			WG457681	01/04/10 06:09
p-Isopropyltoluene	< .001	mg/l			WG457681	01/04/10 06:09
sec-Butylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
Styrene	< .001	mg/l			WG457681	01/04/10 06:09
tert-Butylbenzene	< .001	mg/l			WG457681	01/04/10 06:09
Tetrachloroethene	< .001	mg/l			WG457681	01/04/10 06:09
Toluene	< .005	mg/l			WG457681	01/04/10 06:09
trans-1,2-Dichloroethene	< .001	mg/l			WG457681	01/04/10 06:09
trans-1,3-Dichloropropene	< .001	mg/l			WG457681	01/04/10 06:09
Trichloroethene	< .001	mg/l			WG457681	01/04/10 06:09
Trichlorofluoromethane	< .005	mg/l			WG457681	01/04/10 06:09
Vinyl chloride	< .001	mg/l			WG457681	01/04/10 06:09
Xylenes, Total	< .003	mg/l			WG457681	01/04/10 06:09
4-Bromofluorobenzene		% Rec.	101.6	75-128	WG457681	01/04/10 06:09
Dibromofluoromethane		% Rec.	100.1	79-125	WG457681	01/04/10 06:09
Toluene-d8		% Rec.	95.73	87-114	WG457681	01/04/10 06:09
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,1,1-Trichloroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,1,2-Trichloroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,1-Dichloroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,1-Dichloroethene	< .001	mg/l			WG457857	01/05/10 03:37
1,1-Dichloropropene	< .001	mg/l			WG457857	01/05/10 03:37
1,2,3-Trichlorobenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,2,3-Trichloropropane	< .001	mg/l			WG457857	01/05/10 03:37
1,2,3-Trimethylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,2,4-Trichlorobenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,2,4-Trimethylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG457857	01/05/10 03:37
1,2-Dibromoethane	< .001	mg/l			WG457857	01/05/10 03:37
1,2-Dichlorobenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,2-Dichloroethane	< .001	mg/l			WG457857	01/05/10 03:37
1,2-Dichloropropane	< .001	mg/l			WG457857	01/05/10 03:37
1,3,5-Trimethylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,3-Dichlorobenzene	< .001	mg/l			WG457857	01/05/10 03:37
1,3-Dichloropropane	< .001	mg/l			WG457857	01/05/10 03:37
1,4-Dichlorobenzene	< .001	mg/l			WG457857	01/05/10 03:37
2,2-Dichloropropane	< .001	mg/l			WG457857	01/05/10 03:37
2-Butanone (MEK)	< .01	mg/l			WG457857	01/05/10 03:37
2-Chloroethyl vinyl ether	< .001	mg/l			WG457857	01/05/10 03:37
2-Chlorotoluene	< .001	mg/l			WG457857	01/05/10 03:37

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L438453

January 06, 2010

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
4-Chlorotoluene	< .001	mg/l			WG457857	01/05/10 03:37
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG457857	01/05/10 03:37
Acetone	< .05	mg/l			WG457857	01/05/10 03:37
Acrolein	< .05	mg/l			WG457857	01/05/10 03:37
Acrylonitrile	< .01	mg/l			WG457857	01/05/10 03:37
Benzene	< .001	mg/l			WG457857	01/05/10 03:37
Bromobenzene	< .001	mg/l			WG457857	01/05/10 03:37
Bromodichloromethane	< .001	mg/l			WG457857	01/05/10 03:37
Bromoform	< .001	mg/l			WG457857	01/05/10 03:37
Bromomethane	< .005	mg/l			WG457857	01/05/10 03:37
Carbon tetrachloride	< .001	mg/l			WG457857	01/05/10 03:37
Chlorobenzene	< .001	mg/l			WG457857	01/05/10 03:37
Chlorodibromomethane	< .001	mg/l			WG457857	01/05/10 03:37
Chloroethane	< .001	mg/l			WG457857	01/05/10 03:37
Chloroform	< .005	mg/l			WG457857	01/05/10 03:37
Chloromethane	< .001	mg/l			WG457857	01/05/10 03:37
cis-1,2-Dichloroethene	< .001	mg/l			WG457857	01/05/10 03:37
cis-1,3-Dichloropropene	< .001	mg/l			WG457857	01/05/10 03:37
Di-isopropyl ether	< .001	mg/l			WG457857	01/05/10 03:37
Dibromomethane	< .001	mg/l			WG457857	01/05/10 03:37
Dichlorodifluoromethane	< .005	mg/l			WG457857	01/05/10 03:37
Ethylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
Hexachloro-1,3-butadiene	< .001	mg/l			WG457857	01/05/10 03:37
Isopropylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
Methyl tert-butyl ether	< .001	mg/l			WG457857	01/05/10 03:37
Methylene Chloride	< .005	mg/l			WG457857	01/05/10 03:37
n-Butylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
n-Propylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
Naphthalene	< .005	mg/l			WG457857	01/05/10 03:37
p-Isopropyltoluene	< .001	mg/l			WG457857	01/05/10 03:37
sec-Butylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
Styrene	< .001	mg/l			WG457857	01/05/10 03:37
tert-Butylbenzene	< .001	mg/l			WG457857	01/05/10 03:37
Tetrachloroethene	< .001	mg/l			WG457857	01/05/10 03:37
Toluene	< .005	mg/l			WG457857	01/05/10 03:37
trans-1,2-Dichloroethene	< .001	mg/l			WG457857	01/05/10 03:37
trans-1,3-Dichloropropene	< .001	mg/l			WG457857	01/05/10 03:37
Trichloroethene	< .001	mg/l			WG457857	01/05/10 03:37
Trichlorofluoromethane	< .005	mg/l			WG457857	01/05/10 03:37
Vinyl chloride	< .001	mg/l			WG457857	01/05/10 03:37
Xylenes, Total	< .003	mg/l			WG457857	01/05/10 03:37
4-Bromofluorobenzene		% Rec.	98.53	75-128	WG457857	01/05/10 03:37
Dibromofluoromethane		% Rec.	98.20	79-125	WG457857	01/05/10 03:37
Toluene-d8		% Rec.	101.4	87-114	WG457857	01/05/10 03:37
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,1,1-Trichloroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,1,2-Trichloroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,1-Dichloroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,1-Dichloroethene	< .001	mg/l			WG457856	01/05/10 21:17
1,1-Dichloropropene	< .001	mg/l			WG457856	01/05/10 21:17
1,2,3-Trichlorobenzene	< .001	mg/l			WG457856	01/05/10 21:17
1,2,3-Trichloropropane	< .001	mg/l			WG457856	01/05/10 21:17
1,2,3-Trimethylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
1,2,4-Trichlorobenzene	< .001	mg/l			WG457856	01/05/10 21:17
1,2,4-Trimethylbenzene	< .001	mg/l			WG457856	01/05/10 21:17

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Sundance Environmental Consultants, Inc.
Alex Becker
11584 Wilson Circle

Parker, CO 80134

Quality Assurance Report
Level II

L438453

January 06, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG457856	01/05/10 21:17
1,2-Dibromoethane	< .001	mg/l			WG457856	01/05/10 21:17
1,2-Dichlorobenzene	< .001	mg/l			WG457856	01/05/10 21:17
1,2-Dichloroethane	< .001	mg/l			WG457856	01/05/10 21:17
1,2-Dichloropropane	< .001	mg/l			WG457856	01/05/10 21:17
1,3,5-Trimethylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
1,3-Dichlorobenzene	< .001	mg/l			WG457856	01/05/10 21:17
1,3-Dichloropropane	< .001	mg/l			WG457856	01/05/10 21:17
1,4-Dichlorobenzene	< .001	mg/l			WG457856	01/05/10 21:17
2,2-Dichloropropane	< .001	mg/l			WG457856	01/05/10 21:17
2-Butanone (MEK)	< .01	mg/l			WG457856	01/05/10 21:17
2-Chloroethyl vinyl ether	< .001	mg/l			WG457856	01/05/10 21:17
2-Chlorotoluene	< .001	mg/l			WG457856	01/05/10 21:17
4-Chlorotoluene	< .001	mg/l			WG457856	01/05/10 21:17
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG457856	01/05/10 21:17
Acetone	< .05	mg/l			WG457856	01/05/10 21:17
Acrolein	< .05	mg/l			WG457856	01/05/10 21:17
Acrylonitrile	< .01	mg/l			WG457856	01/05/10 21:17
Benzene	< .001	mg/l			WG457856	01/05/10 21:17
Bromobenzene	< .001	mg/l			WG457856	01/05/10 21:17
Bromodichloromethane	< .001	mg/l			WG457856	01/05/10 21:17
Bromoform	< .001	mg/l			WG457856	01/05/10 21:17
Bromomethane	< .005	mg/l			WG457856	01/05/10 21:17
Carbon tetrachloride	< .001	mg/l			WG457856	01/05/10 21:17
Chlorobenzene	< .001	mg/l			WG457856	01/05/10 21:17
Chlorodibromomethane	< .001	mg/l			WG457856	01/05/10 21:17
Chloroethane	< .001	mg/l			WG457856	01/05/10 21:17
Chloroform	< .005	mg/l			WG457856	01/05/10 21:17
Chloromethane	< .001	mg/l			WG457856	01/05/10 21:17
cis-1,2-Dichloroethene	< .001	mg/l			WG457856	01/05/10 21:17
cis-1,3-Dichloropropene	< .001	mg/l			WG457856	01/05/10 21:17
Di-isopropyl ether	< .001	mg/l			WG457856	01/05/10 21:17
Dibromomethane	< .001	mg/l			WG457856	01/05/10 21:17
Dichlorodifluoromethane	< .005	mg/l			WG457856	01/05/10 21:17
Ethylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
Hexachloro-1,3-butadiene	< .001	mg/l			WG457856	01/05/10 21:17
Isopropylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
Methyl tert-butyl ether	< .001	mg/l			WG457856	01/05/10 21:17
Methylene Chloride	< .005	mg/l			WG457856	01/05/10 21:17
n-Butylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
n-Propylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
Naphthalene	< .005	mg/l			WG457856	01/05/10 21:17
p-Isopropyltoluene	< .001	mg/l			WG457856	01/05/10 21:17
sec-Butylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
Styrene	< .001	mg/l			WG457856	01/05/10 21:17
tert-Butylbenzene	< .001	mg/l			WG457856	01/05/10 21:17
Tetrachloroethene	< .001	mg/l			WG457856	01/05/10 21:17
Toluene	< .005	mg/l			WG457856	01/05/10 21:17
trans-1,2-Dichloroethene	< .001	mg/l			WG457856	01/05/10 21:17
trans-1,3-Dichloropropene	< .001	mg/l			WG457856	01/05/10 21:17
Trichloroethene	< .001	mg/l			WG457856	01/05/10 21:17
Trichlorofluoromethane	< .005	mg/l			WG457856	01/05/10 21:17
Vinyl chloride	< .001	mg/l			WG457856	01/05/10 21:17
Xylenes, Total	< .003	mg/l			WG457856	01/05/10 21:17
4-Bromofluorobenzene		% Rec.	101.0	75-128	WG457856	01/05/10 21:17
Dibromofluoromethane		% Rec.	100.7	79-125	WG457856	01/05/10 21:17
Toluene-d8		% Rec.	101.3	87-114	WG457856	01/05/10 21:17

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Quality Assurance Report
Level II

L438453

January 06, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
PCB 1260	mg/l	.0005	0.000405	81.0	46-126	WG457256
Decachlorobiphenyl				78.34	10-122.6	WG457256
Tetrachloro-m-xylene				85.27	15.3-114.2	WG457256
Diesel (C7-C26)	mg/l	.75	0.763	102.	50-150	WG457411
Motor Oil (C16-C40)	mg/l	.75	0.566	75.5	50-150	WG457411
o-Terphenyl				81.22	50-150	WG457411
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0285	114.	75-134	WG457681
1,1,1-Trichloroethane	mg/l	.025	0.0277	111.	67-137	WG457681
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0265	106.	72-128	WG457681
1,1,2-Trichloroethane	mg/l	.025	0.0260	104.	79-123	WG457681
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0244	97.7	51-149	WG457681
1,1-Dichloroethane	mg/l	.025	0.0267	107.	67-133	WG457681
1,1-Dichloroethene	mg/l	.025	0.0277	111.	60-130	WG457681
1,1-Dichloropropene	mg/l	.025	0.0276	110.	68-132	WG457681
1,2,3-Trichlorobenzene	mg/l	.025	0.0211	84.6	63-138	WG457681
1,2,3-Trichloropropane	mg/l	.025	0.0261	104.	68-130	WG457681
1,2,3-Trimethylbenzene	mg/l	.025	0.0259	104.	70-127	WG457681
1,2,4-Trichlorobenzene	mg/l	.025	0.0235	94.2	65-137	WG457681
1,2,4-Trimethylbenzene	mg/l	.025	0.0305	122.	72-135	WG457681
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0225	90.1	55-134	WG457681
1,2-Dibromoethane	mg/l	.025	0.0274	110.	75-126	WG457681
1,2-Dichlorobenzene	mg/l	.025	0.0253	101.	75-122	WG457681
1,2-Dichloroethane	mg/l	.025	0.0273	109.	63-137	WG457681
1,2-Dichloropropane	mg/l	.025	0.0259	104.	74-122	WG457681
1,3,5-Trimethylbenzene	mg/l	.025	0.0302	121.	73-134	WG457681
1,3-Dichlorobenzene	mg/l	.025	0.0277	111.	73-131	WG457681
1,3-Dichloropropane	mg/l	.025	0.0269	108.	77-119	WG457681
1,4-Dichlorobenzene	mg/l	.025	0.0251	100.	70-121	WG457681
2,2-Dichloropropane	mg/l	.025	0.0275	110.	46-151	WG457681
2-Butanone (MEK)	mg/l	.125	0.122	98.0	53-132	WG457681
2-Chloroethyl vinyl ether	mg/l	.125	0.122	97.4	0-171	WG457681
2-Chlorotoluene	mg/l	.025	0.0289	116.	74-128	WG457681
4-Chlorotoluene	mg/l	.025	0.0291	116.	74-130	WG457681
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.124	99.0	60-142	WG457681
Acetone	mg/l	.125	0.100	80.1	48-134	WG457681
Acrolein	mg/l	.125	0.0474	37.9	6-182	WG457681
Acrylonitrile	mg/l	.125	0.123	98.2	60-140	WG457681
Benzene	mg/l	.025	0.0263	105.	67-126	WG457681
Bromobenzene	mg/l	.025	0.0274	110.	76-123	WG457681
Bromodichloromethane	mg/l	.025	0.0273	109.	68-133	WG457681
Bromoform	mg/l	.025	0.0277	111.	60-139	WG457681
Bromomethane	mg/l	.025	0.0262	105.	45-175	WG457681
Carbon tetrachloride	mg/l	.025	0.0292	117.	64-141	WG457681
Chlorobenzene	mg/l	.025	0.0290	116.	77-125	WG457681
Chlorodibromomethane	mg/l	.025	0.0267	107.	73-138	WG457681
Chloroethane	mg/l	.025	0.0259	103.	49-155	WG457681
Chloroform	mg/l	.025	0.0267	107.	66-126	WG457681
Chloromethane	mg/l	.025	0.0247	98.8	45-152	WG457681
cis-1,2-Dichloroethene	mg/l	.025	0.0278	111.	72-128	WG457681
cis-1,3-Dichloropropene	mg/l	.025	0.0269	108.	73-131	WG457681
Di-isopropyl ether	mg/l	.025	0.0249	99.5	63-139	WG457681
Dibromomethane	mg/l	.025	0.0265	106.	73-125	WG457681
Dichlorodifluoromethane	mg/l	.025	0.0266	106.	39-189	WG457681
Ethylbenzene	mg/l	.025	0.0302	121.	76-129	WG457681
Hexachloro-1,3-butadiene	mg/l	.025	0.0235	93.8	67-135	WG457681
Isopropylbenzene	mg/l	.025	0.0288	115.	73-132	WG457681

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Parker, CO 80134

Quality Assurance Report
Level II

L438453

January 06, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Methyl tert-butyl ether	mg/l	.025	0.0245	98.1	51-142	WG457681
Methylene Chloride	mg/l	.025	0.0254	102.	64-125	WG457681
n-Butylbenzene	mg/l	.025	0.0282	113.	63-142	WG457681
n-Propylbenzene	mg/l	.025	0.0292	117.	71-132	WG457681
Naphthalene	mg/l	.025	0.0219	87.7	56-145	WG457681
p-Isopropyltoluene	mg/l	.025	0.0305	122.	68-138	WG457681
sec-Butylbenzene	mg/l	.025	0.0298	119.	70-135	WG457681
Styrene	mg/l	.025	0.0310	124.	78-130	WG457681
tert-Butylbenzene	mg/l	.025	0.0306	122.	72-134	WG457681
Tetrachloroethene	mg/l	.025	0.0279	112.	67-135	WG457681
Toluene	mg/l	.025	0.0264	106.	72-122	WG457681
trans-1,2-Dichloroethene	mg/l	.025	0.0285	114.	67-129	WG457681
trans-1,3-Dichloropropene	mg/l	.025	0.0266	106.	66-137	WG457681
Trichloroethene	mg/l	.025	0.0272	109.	74-126	WG457681
Trichlorofluoromethane	mg/l	.025	0.0265	106.	54-156	WG457681
Vinyl chloride	mg/l	.025	0.0268	107.	55-153	WG457681
Xylenes, Total	mg/l	.075	0.0891	119.	75-128	WG457681
4-Bromofluorobenzene				102.5	75-128	WG457681
Dibromofluoromethane				98.76	79-125	WG457681
Toluene-d8				95.36	87-114	WG457681
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0294	117.	75-134	WG457857
1,1,1-Trichloroethane	mg/l	.025	0.0263	105.	67-137	WG457857
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0264	105.	72-128	WG457857
1,1,2-Trichloroethane	mg/l	.025	0.0269	108.	79-123	WG457857
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0250	99.9	51-149	WG457857
1,1-Dichloroethane	mg/l	.025	0.0265	106.	67-133	WG457857
1,1-Dichloroethene	mg/l	.025	0.0264	106.	60-130	WG457857
1,1-Dichloropropene	mg/l	.025	0.0254	102.	68-132	WG457857
1,2,3-Trichlorobenzene	mg/l	.025	0.0254	102.	63-138	WG457857
1,2,3-Trichloropropane	mg/l	.025	0.0280	112.	68-130	WG457857
1,2,3-Trimethylbenzene	mg/l	.025	0.0237	94.9	70-127	WG457857
1,2,4-Trichlorobenzene	mg/l	.025	0.0271	108.	65-137	WG457857
1,2,4-Trimethylbenzene	mg/l	.025	0.0276	111.	72-135	WG457857
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0238	95.3	55-134	WG457857
1,2-Dibromoethane	mg/l	.025	0.0291	116.	75-126	WG457857
1,2-Dichlorobenzene	mg/l	.025	0.0259	104.	75-122	WG457857
1,2-Dichloroethane	mg/l	.025	0.0282	113.	63-137	WG457857
1,2-Dichloropropane	mg/l	.025	0.0234	93.7	74-122	WG457857
1,3,5-Trimethylbenzene	mg/l	.025	0.0270	108.	73-134	WG457857
1,3-Dichlorobenzene	mg/l	.025	0.0286	114.	73-131	WG457857
1,3-Dichloropropane	mg/l	.025	0.0265	106.	77-119	WG457857
1,4-Dichlorobenzene	mg/l	.025	0.0258	103.	70-121	WG457857
2,2-Dichloropropane	mg/l	.025	0.0259	104.	46-151	WG457857
2-Butanone (MEK)	mg/l	.125	0.122	98.0	53-132	WG457857
2-Chloroethyl vinyl ether	mg/l	.125	0.0995	79.6	0-171	WG457857
2-Chlorotoluene	mg/l	.025	0.0272	109.	74-128	WG457857
4-Chlorotoluene	mg/l	.025	0.0265	106.	74-130	WG457857
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.119	95.2	60-142	WG457857
Acetone	mg/l	.125	0.112	89.9	48-134	WG457857
Acrolein	mg/l	.125	0.0503	40.3	6-182	WG457857
Acrylonitrile	mg/l	.125	0.105	84.1	60-140	WG457857
Benzene	mg/l	.025	0.0235	94.0	67-126	WG457857
Bromobenzene	mg/l	.025	0.0273	109.	76-123	WG457857
Bromodichloromethane	mg/l	.025	0.0275	110.	68-133	WG457857
Bromoform	mg/l	.025	0.0303	121.	60-139	WG457857
Bromomethane	mg/l	.025	0.0221	88.3	45-175	WG457857
Carbon tetrachloride	mg/l	.025	0.0294	118.	64-141	WG457857

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Quality Assurance Report
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L438453

January 06, 2010

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chlorobenzene	mg/l	.025	0.0278	111.	77-125	WG457857
Chlorodibromomethane	mg/l	.025	0.0290	116.	73-138	WG457857
Chloroethane	mg/l	.025	0.0265	106.	49-155	WG457857
Chloroform	mg/l	.025	0.0257	103.	66-126	WG457857
Chloromethane	mg/l	.025	0.0275	110.	45-152	WG457857
cis-1,2-Dichloroethene	mg/l	.025	0.0274	110.	72-128	WG457857
cis-1,3-Dichloropropene	mg/l	.025	0.0272	109.	73-131	WG457857
Di-isopropyl ether	mg/l	.025	0.0238	95.2	63-139	WG457857
Dibromomethane	mg/l	.025	0.0284	114.	73-125	WG457857
Dichlorodifluoromethane	mg/l	.025	0.0362	145.	39-189	WG457857
Ethylbenzene	mg/l	.025	0.0279	111.	76-129	WG457857
Hexachloro-1,3-butadiene	mg/l	.025	0.0240	95.8	67-135	WG457857
Isopropylbenzene	mg/l	.025	0.0255	102.	73-132	WG457857
Methyl tert-butyl ether	mg/l	.025	0.0240	95.9	51-142	WG457857
Methylene Chloride	mg/l	.025	0.0238	95.1	64-125	WG457857
n-Butylbenzene	mg/l	.025	0.0249	99.7	63-142	WG457857
n-Propylbenzene	mg/l	.025	0.0265	106.	71-132	WG457857
Naphthalene	mg/l	.025	0.0248	99.1	56-145	WG457857
p-Isopropyltoluene	mg/l	.025	0.0273	109.	68-138	WG457857
sec-Butylbenzene	mg/l	.025	0.0271	109.	70-135	WG457857
Styrene	mg/l	.025	0.0284	114.	78-130	WG457857
tert-Butylbenzene	mg/l	.025	0.0278	111.	72-134	WG457857
Tetrachloroethene	mg/l	.025	0.0284	114.	67-135	WG457857
Toluene	mg/l	.025	0.0260	104.	72-122	WG457857
trans-1,2-Dichloroethene	mg/l	.025	0.0258	103.	67-129	WG457857
trans-1,3-Dichloropropene	mg/l	.025	0.0273	109.	66-137	WG457857
Trichloroethene	mg/l	.025	0.0280	112.	74-126	WG457857
Trichlorofluoromethane	mg/l	.025	0.0267	107.	54-156	WG457857
Vinyl chloride	mg/l	.025	0.0256	102.	55-153	WG457857
Xylenes, Total	mg/l	.075	0.0829	110.	75-128	WG457857
4-Bromofluorobenzene				104.6	75-128	WG457857
Dibromofluoromethane				97.64	79-125	WG457857
Toluene-d8				100.2	87-114	WG457857
1,1,1,2-Tetrachloroethane	mg/l	.025	0.0231	92.6	75-134	WG457856
1,1,1-Trichloroethane	mg/l	.025	0.0233	93.3	67-137	WG457856
1,1,2,2-Tetrachloroethane	mg/l	.025	0.0223	89.3	72-128	WG457856
1,1,2-Trichloroethane	mg/l	.025	0.0224	89.4	79-123	WG457856
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.025	0.0219	87.5	51-149	WG457856
1,1-Dichloroethane	mg/l	.025	0.0235	94.1	67-133	WG457856
1,1-Dichloroethene	mg/l	.025	0.0246	98.2	60-130	WG457856
1,1-Dichloropropene	mg/l	.025	0.0239	95.5	68-132	WG457856
1,2,3-Trichlorobenzene	mg/l	.025	0.0225	89.9	63-138	WG457856
1,2,3-Trichloropropane	mg/l	.025	0.0214	85.5	68-130	WG457856
1,2,3-Trimethylbenzene	mg/l	.025	0.0219	87.6	70-127	WG457856
1,2,4-Trichlorobenzene	mg/l	.025	0.0225	90.1	65-137	WG457856
1,2,4-Trimethylbenzene	mg/l	.025	0.0236	94.3	72-135	WG457856
1,2-Dibromo-3-Chloropropane	mg/l	.025	0.0221	88.3	55-134	WG457856
1,2-Dibromoethane	mg/l	.025	0.0216	86.5	75-126	WG457856
1,2-Dichlorobenzene	mg/l	.025	0.0225	90.0	75-122	WG457856
1,2-Dichloroethane	mg/l	.025	0.0240	96.1	63-137	WG457856
1,2-Dichloropropane	mg/l	.025	0.0214	85.8	74-122	WG457856
1,3,5-Trimethylbenzene	mg/l	.025	0.0236	94.2	73-134	WG457856
1,3-Dichlorobenzene	mg/l	.025	0.0231	92.5	73-131	WG457856
1,3-Dichloropropane	mg/l	.025	0.0225	90.2	77-119	WG457856
1,4-Dichlorobenzene	mg/l	.025	0.0217	86.9	70-121	WG457856
2,2-Dichloropropane	mg/l	.025	0.0230	91.9	46-151	WG457856
2-Butanone (MEK)	mg/l	.125	0.104	83.4	53-132	WG457856

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Sundance Environmental Consultants, Inc.
Alex Becker
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Parker, CO 80134

Quality Assurance Report
Level II

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
2-Chloroethyl vinyl ether	mg/l	.125	0.112	89.4	0-171	WG457856
2-Chlorotoluene	mg/l	.025	0.0237	94.6	74-128	WG457856
4-Chlorotoluene	mg/l	.025	0.0239	95.5	74-130	WG457856
4-Methyl-2-pentanone (MIBK)	mg/l	.125	0.102	81.3	60-142	WG457856
Acetone	mg/l	.125	0.108	86.4	48-134	WG457856
Acrolein	mg/l	.125	0.0465	37.2	6-182	WG457856
Acrylonitrile	mg/l	.125	0.108	86.2	60-140	WG457856
Benzene	mg/l	.025	0.0234	93.5	67-126	WG457856
Bromobenzene	mg/l	.025	0.0230	92.2	76-123	WG457856
Bromodichloromethane	mg/l	.025	0.0221	88.5	68-133	WG457856
Bromoform	mg/l	.025	0.0234	93.7	60-139	WG457856
Bromomethane	mg/l	.025	0.0259	104.	45-175	WG457856
Carbon tetrachloride	mg/l	.025	0.0239	95.7	64-141	WG457856
Chlorobenzene	mg/l	.025	0.0231	92.4	77-125	WG457856
Chlorodibromomethane	mg/l	.025	0.0215	86.2	73-138	WG457856
Chloroethane	mg/l	.025	0.0250	100.	49-155	WG457856
Chloroform	mg/l	.025	0.0231	92.4	66-126	WG457856
Chloromethane	mg/l	.025	0.0248	99.3	45-152	WG457856
cis-1,2-Dichloroethene	mg/l	.025	0.0223	89.2	72-128	WG457856
cis-1,3-Dichloropropene	mg/l	.025	0.0225	90.0	73-131	WG457856
Di-isopropyl ether	mg/l	.025	0.0220	88.0	63-139	WG457856
Dibromomethane	mg/l	.025	0.0230	91.8	73-125	WG457856
Dichlorodifluoromethane	mg/l	.025	0.0287	115.	39-189	WG457856
Ethylbenzene	mg/l	.025	0.0233	93.2	76-129	WG457856
Hexachloro-1,3-butadiene	mg/l	.025	0.0222	88.9	67-135	WG457856
Isopropylbenzene	mg/l	.025	0.0226	90.5	73-132	WG457856
Methyl tert-butyl ether	mg/l	.025	0.0217	86.9	51-142	WG457856
Methylene Chloride	mg/l	.025	0.0225	90.1	64-125	WG457856
n-Butylbenzene	mg/l	.025	0.0235	94.0	63-142	WG457856
n-Propylbenzene	mg/l	.025	0.0235	94.1	71-132	WG457856
Naphthalene	mg/l	.025	0.0218	87.0	56-145	WG457856
p-Isopropyltoluene	mg/l	.025	0.0231	92.3	68-138	WG457856
sec-Butylbenzene	mg/l	.025	0.0233	93.2	70-135	WG457856
Styrene	mg/l	.025	0.0232	92.6	78-130	WG457856
tert-Butylbenzene	mg/l	.025	0.0231	92.3	72-134	WG457856
Tetrachloroethene	mg/l	.025	0.0238	95.3	67-135	WG457856
Toluene	mg/l	.025	0.0223	89.1	72-122	WG457856
trans-1,2-Dichloroethene	mg/l	.025	0.0234	93.6	67-129	WG457856
trans-1,3-Dichloropropene	mg/l	.025	0.0216	86.6	66-137	WG457856
Trichloroethene	mg/l	.025	0.0229	91.7	74-126	WG457856
Trichlorofluoromethane	mg/l	.025	0.0255	102.	54-156	WG457856
Vinyl chloride	mg/l	.025	0.0240	96.0	55-153	WG457856
Xylenes, Total	mg/l	.075	0.0695	92.7	75-128	WG457856
4-Bromofluorobenzene				101.8	75-128	WG457856
Dibromofluoromethane				102.0	79-125	WG457856
Toluene-d8				99.47	87-114	WG457856

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
PCB 1260	mg/l	0.000375	0.000405	75.0	46-126	7.69	34	WG457256
Decachlorobiphenyl				79.79	10-122.6			WG457256
Tetrachloro-m-xylene				82.74	15.3-114.2			WG457256
Diesel (C7-C26)	mg/l	0.786	0.763	105.	50-150	3.01	20	WG457411
Motor Oil (C16-C40)	mg/l	0.650	0.566	87.0	50-150	13.8	25	WG457411
o-Terphenyl				90.05	50-150			WG457411

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		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0293	0.0285	117.	75-134	2.68	20	WG457681
1,1,1-Trichloroethane	mg/l	0.0280	0.0277	112.	67-137	0.887	20	WG457681
1,1,2,2-Tetrachloroethane	mg/l	0.0259	0.0265	104.	72-128	2.37	20	WG457681
1,1,2-Trichloroethane	mg/l	0.0261	0.0260	104.	79-123	0.534	20	WG457681
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0249	0.0244	100.	51-149	1.99	20	WG457681
1,1-Dichloroethane	mg/l	0.0263	0.0267	105.	67-133	1.53	20	WG457681
1,1-Dichloroethene	mg/l	0.0279	0.0277	112.	60-130	0.786	20	WG457681
1,1-Dichloropropene	mg/l	0.0281	0.0276	112.	68-132	1.78	20	WG457681
1,2,3-Trichlorobenzene	mg/l	0.0215	0.0211	86.0	63-138	1.68	20	WG457681
1,2,3-Trichloropropane	mg/l	0.0256	0.0261	102.	68-130	1.82	20	WG457681
1,2,3-Trimethylbenzene	mg/l	0.0268	0.0259	107.	70-127	3.23	20	WG457681
1,2,4-Trichlorobenzene	mg/l	0.0245	0.0235	98.0	65-137	3.95	20	WG457681
1,2,4-Trimethylbenzene	mg/l	0.0314	0.0305	126.	72-135	3.06	20	WG457681
1,2-Dibromo-3-Chloropropane	mg/l	0.0210	0.0225	84.0	55-134	6.93	20	WG457681
1,2-Dibromoethane	mg/l	0.0272	0.0274	109.	75-126	0.982	20	WG457681
1,2-Dichlorobenzene	mg/l	0.0262	0.0253	105.	75-122	3.47	20	WG457681
1,2-Dichloroethane	mg/l	0.0263	0.0273	105.	63-137	3.86	20	WG457681
1,2-Dichloropropane	mg/l	0.0260	0.0259	104.	74-122	0.326	20	WG457681
1,3,5-Trimethylbenzene	mg/l	0.0314	0.0302	125.	73-134	3.72	20	WG457681
1,3-Dichlorobenzene	mg/l	0.0280	0.0277	112.	73-131	0.985	20	WG457681
1,3-Dichloropropane	mg/l	0.0260	0.0269	104.	77-119	3.45	20	WG457681
1,4-Dichlorobenzene	mg/l	0.0260	0.0251	104.	70-121	3.51	20	WG457681
2,2-Dichloropropane	mg/l	0.0285	0.0275	114.	46-151	3.43	20	WG457681
2-Butanone (MEK)	mg/l	0.113	0.122	90.0	53-132	8.44	20	WG457681
2-Chloroethyl vinyl ether	mg/l	0.112	0.122	89.0	0-171	8.50	27	WG457681
2-Chlorotoluene	mg/l	0.0300	0.0289	120.	74-128	3.60	20	WG457681
4-Chlorotoluene	mg/l	0.0304	0.0291	122.	74-130	4.27	20	WG457681
4-Methyl-2-pentanone (MIBK)	mg/l	0.114	0.124	91.0	60-142	8.49	20	WG457681
Acetone	mg/l	0.0942	0.100	75.0	48-134	6.11	20	WG457681
Acrolein	mg/l	0.0400	0.0474	32.0	6-182	17.0	39	WG457681
Acrylonitrile	mg/l	0.111	0.123	89.0	60-140	10.2	20	WG457681
Benzene	mg/l	0.0259	0.0263	104.	67-126	1.42	20	WG457681
Bromobenzene	mg/l	0.0278	0.0274	111.	76-123	1.40	20	WG457681
Bromodichloromethane	mg/l	0.0278	0.0273	111.	68-133	1.84	20	WG457681
Bromoform	mg/l	0.0270	0.0277	108.	60-139	2.54	20	WG457681
Bromomethane	mg/l	0.0246	0.0262	98.0	45-175	6.40	20	WG457681
Carbon tetrachloride	mg/l	0.0294	0.0292	118.	64-141	0.649	20	WG457681
Chlorobenzene	mg/l	0.0300	0.0290	120.	77-125	3.41	20	WG457681
Chlorodibromomethane	mg/l	0.0261	0.0267	104.	73-138	2.28	20	WG457681
Chloroethane	mg/l	0.0261	0.0259	104.	49-155	1.01	20	WG457681
Chloroform	mg/l	0.0268	0.0267	107.	66-126	0.122	20	WG457681
Chloromethane	mg/l	0.0245	0.0247	98.0	45-152	0.948	20	WG457681
cis-1,2-Dichloroethene	mg/l	0.0274	0.0278	109.	72-128	1.40	20	WG457681
cis-1,3-Dichloropropene	mg/l	0.0271	0.0269	108.	73-131	0.790	20	WG457681
Di-isopropyl ether	mg/l	0.0242	0.0249	97.0	63-139	2.64	20	WG457681
Dibromomethane	mg/l	0.0253	0.0265	101.	73-125	4.55	20	WG457681
Dichlorodifluoromethane	mg/l	0.0280	0.0266	112.	39-189	5.32	24	WG457681
Ethylbenzene	mg/l	0.0315	0.0302	126.	76-129	4.25	20	WG457681
Hexachloro-1,3-butadiene	mg/l	0.0250	0.0235	100.	67-135	6.47	20	WG457681
Isopropylbenzene	mg/l	0.0302	0.0288	121.	73-132	4.72	20	WG457681
Methyl tert-butyl ether	mg/l	0.0235	0.0245	94.0	51-142	4.32	20	WG457681
Methylene Chloride	mg/l	0.0253	0.0254	101.	64-125	0.198	20	WG457681
n-Butylbenzene	mg/l	0.0298	0.0282	119.	63-142	5.44	20	WG457681
n-Propylbenzene	mg/l	0.0307	0.0292	123.	71-132	4.97	20	WG457681
Naphthalene	mg/l	0.0212	0.0219	85.0	56-145	3.32	20	WG457681
p-Isopropyltoluene	mg/l	0.0315	0.0305	126.	68-138	3.21	20	WG457681
sec-Butylbenzene	mg/l	0.0308	0.0298	123.	70-135	3.41	20	WG457681
Styrene	mg/l	0.0315	0.0310	126.	78-130	1.37	20	WG457681

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		Laboratory Control Sample Duplicate						
Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
tert-Butylbenzene	mg/l	0.0314	0.0306	125.	72-134	2.41	20	WG457681
Tetrachloroethene	mg/l	0.0293	0.0279	117.	67-135	4.69	20	WG457681
Toluene	mg/l	0.0266	0.0264	106.	72-122	0.455	20	WG457681
trans-1,2-Dichloroethene	mg/l	0.0294	0.0285	118.	67-129	3.34	20	WG457681
trans-1,3-Dichloropropene	mg/l	0.0260	0.0266	104.	66-137	2.17	20	WG457681
Trichloroethene	mg/l	0.0277	0.0272	111.	74-126	1.67	20	WG457681
Trichlorofluoromethane	mg/l	0.0265	0.0265	106.	54-156	0.275	20	WG457681
Vinyl chloride	mg/l	0.0278	0.0268	111.	55-153	3.42	20	WG457681
Xylenes, Total	mg/l	0.0928	0.0891	124.	75-128	4.11	20	WG457681
4-Bromofluorobenzene				101.0	75-128			WG457681
Dibromofluoromethane				95.14	79-125			WG457681
Toluene-d8				93.39	87-114			WG457681
1,1,1,2-Tetrachloroethane	mg/l	0.0274	0.0294	110.	75-134	6.77	20	WG457857
1,1,1-Trichloroethane	mg/l	0.0257	0.0263	103.	67-137	2.23	20	WG457857
1,1,2,2-Tetrachloroethane	mg/l	0.0266	0.0264	106.	72-128	0.703	20	WG457857
1,1,2-Trichloroethane	mg/l	0.0262	0.0269	105.	79-123	2.54	20	WG457857
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0243	0.0250	97.0	51-149	2.95	20	WG457857
1,1-Dichloroethane	mg/l	0.0259	0.0265	104.	67-133	2.41	20	WG457857
1,1-Dichloroethene	mg/l	0.0254	0.0264	101.	60-130	4.02	20	WG457857
1,1-Dichloropropene	mg/l	0.0245	0.0254	98.0	68-132	3.54	20	WG457857
1,2,3-Trichlorobenzene	mg/l	0.0223	0.0254	89.0	63-138	13.0	20	WG457857
1,2,3-Trichloropropane	mg/l	0.0275	0.0280	110.	68-130	1.73	20	WG457857
1,2,3-Trimethylbenzene	mg/l	0.0224	0.0237	90.0	70-127	5.64	20	WG457857
1,2,4-Trichlorobenzene	mg/l	0.0237	0.0271	95.0	65-137	13.5	20	WG457857
1,2,4-Trimethylbenzene	mg/l	0.0257	0.0276	103.	72-135	7.20	20	WG457857
1,2-Dibromo-3-Chloropropane	mg/l	0.0242	0.0238	97.0	55-134	1.73	20	WG457857
1,2-Dibromoethane	mg/l	0.0283	0.0291	113.	75-126	2.83	20	WG457857
1,2-Dichlorobenzene	mg/l	0.0246	0.0259	98.0	75-122	5.13	20	WG457857
1,2-Dichloroethane	mg/l	0.0273	0.0282	109.	63-137	3.57	20	WG457857
1,2-Dichloropropane	mg/l	0.0216	0.0234	86.0	74-122	7.98	20	WG457857
1,3,5-Trimethylbenzene	mg/l	0.0254	0.0270	102.	73-134	6.11	20	WG457857
1,3-Dichlorobenzene	mg/l	0.0269	0.0286	108.	73-131	6.04	20	WG457857
1,3-Dichloropropane	mg/l	0.0258	0.0265	103.	77-119	2.70	20	WG457857
1,4-Dichlorobenzene	mg/l	0.0238	0.0258	95.0	70-121	8.28	20	WG457857
2,2-Dichloropropane	mg/l	0.0255	0.0259	102.	46-151	1.76	20	WG457857
2-Butanone (MEK)	mg/l	0.128	0.122	103.	53-132	4.74	20	WG457857
2-Chloroethyl vinyl ether	mg/l	0.103	0.0995	82.0	0-171	3.06	27	WG457857
2-Chlorotoluene	mg/l	0.0257	0.0272	103.	74-128	5.80	20	WG457857
4-Chlorotoluene	mg/l	0.0257	0.0265	103.	74-130	2.95	20	WG457857
4-Methyl-2-pentanone (MIBK)	mg/l	0.130	0.119	104.	60-142	8.72	20	WG457857
Acetone	mg/l	0.119	0.112	95.0	48-134	5.67	20	WG457857
Acrolein	mg/l	0.0602	0.0503	48.0	6-182	17.9	39	WG457857
Acrylonitrile	mg/l	0.121	0.105	96.0	60-140	13.7	20	WG457857
Benzene	mg/l	0.0229	0.0235	92.0	67-126	2.46	20	WG457857
Bromobenzene	mg/l	0.0265	0.0273	106.	76-123	2.90	20	WG457857
Bromodichloromethane	mg/l	0.0258	0.0275	103.	68-133	6.28	20	WG457857
Bromoform	mg/l	0.0287	0.0303	115.	60-139	5.52	20	WG457857
Bromomethane	mg/l	0.0222	0.0221	89.0	45-175	0.323	20	WG457857
Carbon tetrachloride	mg/l	0.0275	0.0294	110.	64-141	6.93	20	WG457857
Chlorobenzene	mg/l	0.0261	0.0278	104.	77-125	6.27	20	WG457857
Chlorodibromomethane	mg/l	0.0293	0.0290	117.	73-138	0.948	20	WG457857
Chloroethane	mg/l	0.0273	0.0265	109.	49-155	2.73	20	WG457857
Chloroform	mg/l	0.0242	0.0257	97.0	66-126	6.01	20	WG457857
Chloromethane	mg/l	0.0267	0.0275	107.	45-152	2.62	20	WG457857
cis-1,2-Dichloroethene	mg/l	0.0258	0.0274	103.	72-128	6.20	20	WG457857
cis-1,3-Dichloropropene	mg/l	0.0256	0.0272	102.	73-131	5.98	20	WG457857
Di-isopropyl ether	mg/l	0.0229	0.0238	92.0	63-139	3.74	20	WG457857

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Dibromomethane	mg/l	0.0276	0.0284	110.	73-125	3.00	20	WG457857
Dichlorodifluoromethane	mg/l	0.0337	0.0362	135.	39-189	7.21	24	WG457857
Ethylbenzene	mg/l	0.0270	0.0279	108.	76-129	3.30	20	WG457857
Hexachloro-1,3-butadiene	mg/l	0.0231	0.0240	92.0	67-135	3.76	20	WG457857
Isopropylbenzene	mg/l	0.0244	0.0255	98.0	73-132	4.59	20	WG457857
Methyl tert-butyl ether	mg/l	0.0233	0.0240	93.0	51-142	2.83	20	WG457857
Methylene Chloride	mg/l	0.0239	0.0238	96.0	64-125	0.667	20	WG457857
n-Butylbenzene	mg/l	0.0228	0.0249	91.0	63-142	8.86	20	WG457857
n-Propylbenzene	mg/l	0.0251	0.0265	100.	71-132	5.54	20	WG457857
Naphthalene	mg/l	0.0221	0.0248	88.0	56-145	11.2	20	WG457857
p-Isopropyltoluene	mg/l	0.0257	0.0273	103.	68-138	6.15	20	WG457857
sec-Butylbenzene	mg/l	0.0254	0.0271	101.	70-135	6.73	20	WG457857
Styrene	mg/l	0.0273	0.0284	109.	78-130	3.96	20	WG457857
tert-Butylbenzene	mg/l	0.0260	0.0278	104.	72-134	6.72	20	WG457857
Tetrachloroethene	mg/l	0.0288	0.0284	115.	67-135	1.34	20	WG457857
Toluene	mg/l	0.0242	0.0260	97.0	72-122	7.02	20	WG457857
trans-1,2-Dichloroethene	mg/l	0.0249	0.0258	100.	67-129	3.46	20	WG457857
trans-1,3-Dichloropropene	mg/l	0.0258	0.0273	103.	66-137	5.60	20	WG457857
Trichloroethene	mg/l	0.0265	0.0280	106.	74-126	5.34	20	WG457857
Trichlorofluoromethane	mg/l	0.0270	0.0267	108.	54-156	1.07	20	WG457857
Vinyl chloride	mg/l	0.0236	0.0256	94.0	55-153	7.90	20	WG457857
Xylenes, Total	mg/l	0.0781	0.0829	104.	75-128	5.96	20	WG457857
4-Bromofluorobenzene				101.2	75-128			WG457857
Dibromofluoromethane				96.60	79-125			WG457857
Toluene-d8				97.54	87-114			WG457857
1,1,1,2-Tetrachloroethane	mg/l	0.0264	0.0231	106.	75-134	13.2	20	WG457856
1,1,1-Trichloroethane	mg/l	0.0267	0.0233	107.	67-137	13.6	20	WG457856
1,1,2,2-Tetrachloroethane	mg/l	0.0262	0.0223	105.	72-128	16.1	20	WG457856
1,1,2-Trichloroethane	mg/l	0.0263	0.0224	105.	79-123	16.2	20	WG457856
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0254	0.0219	101.	51-149	14.8	20	WG457856
1,1-Dichloroethane	mg/l	0.0270	0.0235	108.	67-133	13.7	20	WG457856
1,1-Dichloroethene	mg/l	0.0282	0.0246	113.	60-130	13.7	20	WG457856
1,1-Dichloropropene	mg/l	0.0272	0.0239	109.	68-132	13.1	20	WG457856
1,2,3-Trichlorobenzene	mg/l	0.0256	0.0225	102.	63-138	13.0	20	WG457856
1,2,3-Trichloropropane	mg/l	0.0251	0.0214	100.	68-130	16.2	20	WG457856
1,2,3-Trimethylbenzene	mg/l	0.0256	0.0219	102.	70-127	15.6	20	WG457856
1,2,4-Trichlorobenzene	mg/l	0.0257	0.0225	103.	65-137	13.2	20	WG457856
1,2,4-Trimethylbenzene	mg/l	0.0272	0.0236	109.	72-135	14.3	20	WG457856
1,2-Dibromo-3-Chloropropane	mg/l	0.0245	0.0221	98.0	55-134	10.2	20	WG457856
1,2-Dibromoethane	mg/l	0.0246	0.0216	98.0	75-126	13.0	20	WG457856
1,2-Dichlorobenzene	mg/l	0.0262	0.0225	105.	75-122	15.3	20	WG457856
1,2-Dichloroethane	mg/l	0.0274	0.0240	110.	63-137	13.2	20	WG457856
1,2-Dichloropropane	mg/l	0.0245	0.0214	98.0	74-122	13.2	20	WG457856
1,3,5-Trimethylbenzene	mg/l	0.0272	0.0236	109.	73-134	14.4	20	WG457856
1,3-Dichlorobenzene	mg/l	0.0266	0.0231	106.	73-131	14.0	20	WG457856
1,3-Dichloropropane	mg/l	0.0258	0.0225	103.	77-119	13.5	20	WG457856
1,4-Dichlorobenzene	mg/l	0.0256	0.0217	102.	70-121	16.6	20	WG457856
2,2-Dichloropropane	mg/l	0.0268	0.0230	107.	46-151	15.4	20	WG457856
2-Butanone (MEK)	mg/l	0.122	0.104	98.0	53-132	15.7	20	WG457856
2-Chloroethyl vinyl ether	mg/l	0.125	0.112	100.	0-171	11.0	27	WG457856
2-Chlorotoluene	mg/l	0.0271	0.0237	108.	74-128	13.6	20	WG457856
4-Chlorotoluene	mg/l	0.0270	0.0239	108.	74-130	12.2	20	WG457856
4-Methyl-2-pentanone (MIBK)	mg/l	0.118	0.102	95.0	60-142	15.3	20	WG457856
Acetone	mg/l	0.124	0.108	99.0	48-134	13.5	20	WG457856
Acrolein	mg/l	0.0567	0.0465	45.0	6-182	19.8	39	WG457856
Acrylonitrile	mg/l	0.123	0.108	98.0	60-140	12.9	20	WG457856
Benzene	mg/l	0.0264	0.0234	106.	67-126	12.3	20	WG457856

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Alex Becker
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Quality Assurance Report
Level II

L438453

January 06, 2010

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Bromobenzene	mg/l	0.0264	0.0230	106.	76-123	13.6	20	WG457856
Bromodichloromethane	mg/l	0.0258	0.0221	103.	68-133	15.3	20	WG457856
Bromoform	mg/l	0.0265	0.0234	106.	60-139	12.3	20	WG457856
Bromomethane	mg/l	0.0283	0.0259	113.	45-175	8.73	20	WG457856
Carbon tetrachloride	mg/l	0.0276	0.0239	110.	64-141	14.4	20	WG457856
Chlorobenzene	mg/l	0.0265	0.0231	106.	77-125	13.8	20	WG457856
Chlorodibromomethane	mg/l	0.0249	0.0215	100.	73-138	14.6	20	WG457856
Chloroethane	mg/l	0.0270	0.0250	108.	49-155	7.65	20	WG457856
Chloroform	mg/l	0.0263	0.0231	105.	66-126	13.2	20	WG457856
Chloromethane	mg/l	0.0277	0.0248	111.	45-152	10.8	20	WG457856
cis-1,2-Dichloroethene	mg/l	0.0252	0.0223	101.	72-128	12.3	20	WG457856
cis-1,3-Dichloropropene	mg/l	0.0263	0.0225	105.	73-131	15.4	20	WG457856
Di-isopropyl ether	mg/l	0.0250	0.0220	100.	63-139	12.6	20	WG457856
Dibromomethane	mg/l	0.0262	0.0230	105.	73-125	13.3	20	WG457856
Dichlorodifluoromethane	mg/l	0.0328	0.0287	131.	39-189	13.6	24	WG457856
Ethylbenzene	mg/l	0.0268	0.0233	107.	76-129	14.1	20	WG457856
Hexachloro-1,3-butadiene	mg/l	0.0261	0.0222	104.	67-135	15.9	20	WG457856
Isopropylbenzene	mg/l	0.0263	0.0226	105.	73-132	15.0	20	WG457856
Methyl tert-butyl ether	mg/l	0.0247	0.0217	99.0	51-142	12.7	20	WG457856
Methylene Chloride	mg/l	0.0261	0.0225	104.	64-125	14.6	20	WG457856
n-Butylbenzene	mg/l	0.0273	0.0235	109.	63-142	15.0	20	WG457856
n-Propylbenzene	mg/l	0.0271	0.0235	108.	71-132	14.0	20	WG457856
Naphthalene	mg/l	0.0250	0.0218	100.	56-145	14.0	20	WG457856
p-Isopropyltoluene	mg/l	0.0267	0.0231	107.	68-138	14.7	20	WG457856
sec-Butylbenzene	mg/l	0.0275	0.0233	110.	70-135	16.5	20	WG457856
Styrene	mg/l	0.0270	0.0232	108.	78-130	15.5	20	WG457856
tert-Butylbenzene	mg/l	0.0270	0.0231	108.	72-134	15.5	20	WG457856
Tetrachloroethene	mg/l	0.0269	0.0238	108.	67-135	12.2	20	WG457856
Toluene	mg/l	0.0255	0.0223	102.	72-122	13.5	20	WG457856
trans-1,2-Dichloroethene	mg/l	0.0266	0.0234	106.	67-129	12.8	20	WG457856
trans-1,3-Dichloropropene	mg/l	0.0245	0.0216	98.0	66-137	12.4	20	WG457856
Trichloroethene	mg/l	0.0268	0.0229	107.	74-126	15.6	20	WG457856
Trichlorofluoromethane	mg/l	0.0282	0.0255	113.	54-156	9.91	20	WG457856
Vinyl chloride	mg/l	0.0271	0.0240	108.	55-153	12.0	20	WG457856
Xylenes, Total	mg/l	0.0803	0.0695	107.	75-128	14.4	20	WG457856
4-Bromofluorobenzene				101.5	75-128			WG457856
Dibromofluoromethane				100.1	79-125			WG457856
Toluene-d8				98.39	87-114			WG457856

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0269	0	.025	108.	45-152	L438187-01	WG457681
1,1,1-Trichloroethane	mg/l	0.0308	0	.025	123.	31-161	L438187-01	WG457681
1,1,2,2-Tetrachloroethane	mg/l	0.0247	0	.025	98.6	49-149	L438187-01	WG457681
1,1,2-Trichloroethane	mg/l	0.0244	0	.025	97.4	46-145	L438187-01	WG457681
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0331	0	.025	132.	14-168	L438187-01	WG457681
1,1-Dichloroethane	mg/l	0.0284	0	.025	114.	30-159	L438187-01	WG457681
1,1-Dichloroethene	mg/l	0.0321	0	.025	128.	10-162	L438187-01	WG457681
1,1-Dichloropropene	mg/l	0.0315	0	.025	126.	14-162	L438187-01	WG457681
1,2,3-Trichlorobenzene	mg/l	0.0212	0	.025	84.6	32-143	L438187-01	WG457681
1,2,3-Trichloropropane	mg/l	0.0256	0	.025	102.	48-148	L438187-01	WG457681
1,2,3-Trimethylbenzene	mg/l	0.0258	0	.025	103.	36-141	L438187-01	WG457681
1,2,4-Trichlorobenzene	mg/l	0.0233	0	.025	93.2	27-142	L438187-01	WG457681
1,2,4-Trimethylbenzene	mg/l	0.0338	0	.025	135.	29-153	L438187-01	WG457681
1,2-Dibromo-3-Chloropropane	mg/l	0.0224	0	.025	89.5	37-148	L438187-01	WG457681
1,2-Dibromoethane	mg/l	0.0255	0	.025	102.	41-149	L438187-01	WG457681
1,2-Dichlorobenzene	mg/l	0.0244	0	.025	97.4	40-139	L438187-01	WG457681
1,2-Dichloroethane	mg/l	0.0266	0	.025	106.	29-167	L438187-01	WG457681

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Quality Assurance Report
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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,2-Dichloropropane	mg/l	0.0269	0	.025	107.	39-148	L438187-01	WG457681
1,3,5-Trimethylbenzene	mg/l	0.0313	0	.025	125.	33-149	L438187-01	WG457681
1,3-Dichlorobenzene	mg/l	0.0263	0	.025	105.	32-148	L438187-01	WG457681
1,3-Dichloropropane	mg/l	0.0240	0	.025	95.9	44-142	L438187-01	WG457681
1,4-Dichlorobenzene	mg/l	0.0241	0	.025	96.3	32-136	L438187-01	WG457681
2,2-Dichloropropane	mg/l	0.0319	0	.025	127.	14-158	L438187-01	WG457681
2-Butanone (MEK)	mg/l	0.132	0	.125	106.	32-151	L438187-01	WG457681
2-Chloroethyl vinyl ether	mg/l	0	0	.125	0	0-175	L438187-01	WG457681
2-Chlorotoluene	mg/l	0.0287	0	.025	115.	35-147	L438187-01	WG457681
4-Chlorotoluene	mg/l	0.0285	0	.025	114.	33-147	L438187-01	WG457681
4-Methyl-2-pentanone (MIBK)	mg/l	0.124	0	.125	99.4	40-160	L438187-01	WG457681
Acetone	mg/l	0.156	0.0540	.125	81.3	25-157	L438187-01	WG457681
Acrolein	mg/l	0.0622	0	.125	49.8	0-179	L438187-01	WG457681
Acrylonitrile	mg/l	0.130	0	.125	104.	37-162	L438187-01	WG457681
Benzene	mg/l	0.0289	0	.025	116.	16-158	L438187-01	WG457681
Bromobenzene	mg/l	0.0262	0	.025	105.	37-147	L438187-01	WG457681
Bromodichloromethane	mg/l	0.0270	0	.025	108.	45-147	L438187-01	WG457681
Bromoform	mg/l	0.0257	0	.025	103.	38-152	L438187-01	WG457681
Bromomethane	mg/l	0.0293	0	.025	117.	0-191	L438187-01	WG457681
Carbon tetrachloride	mg/l	0.0330	0	.025	132.	22-168	L438187-01	WG457681
Chlorobenzene	mg/l	0.0286	0	.025	114.	33-148	L438187-01	WG457681
Chlorodibromomethane	mg/l	0.0241	0	.025	96.5	48-151	L438187-01	WG457681
Chloroethane	mg/l	0.0282	0	.025	113.	4-176	L438187-01	WG457681
Chloroform	mg/l	0.0275	0	.025	110.	37-147	L438187-01	WG457681
Chloromethane	mg/l	0.0282	0	.025	113.	10-174	L438187-01	WG457681
cis-1,2-Dichloroethene	mg/l	0.0294	0	.025	117.	29-156	L438187-01	WG457681
cis-1,3-Dichloropropene	mg/l	0.0252	0	.025	101.	35-148	L438187-01	WG457681
Di-isopropyl ether	mg/l	0.0240	0	.025	95.8	39-160	L438187-01	WG457681
Dibromomethane	mg/l	0.0261	0	.025	104.	36-152	L438187-01	WG457681
Dichlorodifluoromethane	mg/l	0.0324	0	.025	130.	0-200	L438187-01	WG457681
Ethylbenzene	mg/l	0.0324	0	.025	129.	29-150	L438187-01	WG457681
Hexachloro-1,3-butadiene	mg/l	0.0245	0	.025	97.8	28-144	L438187-01	WG457681
Isopropylbenzene	mg/l	0.0295	0	.025	118.	35-147	L438187-01	WG457681
Methyl tert-butyl ether	mg/l	0.0234	0	.025	93.7	24-167	L438187-01	WG457681
Methylene Chloride	mg/l	0.0263	0	.025	105.	23-151	L438187-01	WG457681
n-Butylbenzene	mg/l	0.0295	0	.025	118.	22-151	L438187-01	WG457681
n-Propylbenzene	mg/l	0.0309	0	.025	124.	26-150	L438187-01	WG457681
Naphthalene	mg/l	0.0227	0	.025	90.8	24-160	L438187-01	WG457681
p-Isopropyltoluene	mg/l	0.0310	0	.025	124.	28-151	L438187-01	WG457681
sec-Butylbenzene	mg/l	0.0310	0	.025	124.	32-149	L438187-01	WG457681
Styrene	mg/l	0.0298	0	.025	119.	38-149	L438187-01	WG457681
tert-Butylbenzene	mg/l	0.0311	0	.025	124.	36-149	L438187-01	WG457681
Tetrachloroethene	mg/l	0.0291	0	.025	116.	13-157	L438187-01	WG457681
Toluene	mg/l	0.0359	0	.025	144.	22-152	L438187-01	WG457681
trans-1,2-Dichloroethene	mg/l	0.0324	0	.025	129.	11-160	L438187-01	WG457681
trans-1,3-Dichloropropene	mg/l	0.0249	0	.025	99.7	33-153	L438187-01	WG457681
Trichloroethene	mg/l	0.0293	0	.025	117.	18-163	L438187-01	WG457681
Trichlorofluoromethane	mg/l	0.0308	0	.025	123.	10-177	L438187-01	WG457681
Vinyl chloride	mg/l	0.0323	0	.025	129.	0-179	L438187-01	WG457681
Xylenes, Total	mg/l	0.101	0	.075	135.	27-151	L438187-01	WG457681
4-Bromofluorobenzene					99.68	75-128		WG457681
Dibromofluoromethane					102.2	79-125		WG457681
Toluene-d8					93.97	87-114		WG457681
1,1,1,2-Tetrachloroethane	mg/l	0.0245	0	.025	98.0	45-152	L438338-03	WG457857
1,1,1-Trichloroethane	mg/l	0.0245	0	.025	98.0	31-161	L438338-03	WG457857
1,1,2,2-Tetrachloroethane	mg/l	0.0237	0	.025	94.7	49-149	L438338-03	WG457857
1,1,2-Trichloroethane	mg/l	0.0228	0	.025	91.1	46-145	L438338-03	WG457857

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0227	0	.025	90.6	14-168	L438338-03	WG457857
1,1-Dichloroethane	mg/l	0.0237	0	.025	95.0	30-159	L438338-03	WG457857
1,1-Dichloroethene	mg/l	0.0240	0	.025	95.8	10-162	L438338-03	WG457857
1,1-Dichloropropene	mg/l	0.0239	0	.025	95.6	14-162	L438338-03	WG457857
1,2,3-Trichlorobenzene	mg/l	0.0195	0	.025	77.9	32-143	L438338-03	WG457857
1,2,3-Trichloropropane	mg/l	0.0242	0	.025	96.8	48-148	L438338-03	WG457857
1,2,3-Trimethylbenzene	mg/l	0.0210	0.000970	.025	80.0	36-141	L438338-03	WG457857
1,2,4-Trichlorobenzene	mg/l	0.0204	0	.025	81.6	27-142	L438338-03	WG457857
1,2,4-Trimethylbenzene	mg/l	0.0653	0.0430	.025	89.0	29-153	L438338-03	WG457857
1,2-Dibromo-3-Chloropropane	mg/l	0.0213	0	.025	85.4	37-148	L438338-03	WG457857
1,2-Dibromoethane	mg/l	0.0245	0	.025	98.1	41-149	L438338-03	WG457857
1,2-Dichlorobenzene	mg/l	0.0221	0	.025	88.3	40-139	L438338-03	WG457857
1,2-Dichloroethane	mg/l	0.0243	0	.025	97.3	29-167	L438338-03	WG457857
1,2-Dichloropropane	mg/l	0.0202	0	.025	80.7	39-148	L438338-03	WG457857
1,3,5-Trimethylbenzene	mg/l	0.0237	0	.025	94.9	33-149	L438338-03	WG457857
1,3-Dichlorobenzene	mg/l	0.0240	0	.025	96.0	32-148	L438338-03	WG457857
1,3-Dichloropropane	mg/l	0.0232	0	.025	92.6	44-142	L438338-03	WG457857
1,4-Dichlorobenzene	mg/l	0.0222	0	.025	88.6	32-136	L438338-03	WG457857
2,2-Dichloropropane	mg/l	0.0239	0	.025	95.8	14-158	L438338-03	WG457857
2-Butanone (MEK)	mg/l	0.111	0	.125	89.1	32-151	L438338-03	WG457857
2-Chloroethyl vinyl ether	mg/l	0.0142	0.00143	.125	10.2	0-175	L438338-03	WG457857
2-Chlorotoluene	mg/l	0.0234	0	.025	93.4	35-147	L438338-03	WG457857
4-Chlorotoluene	mg/l	0.0229	0	.025	91.7	33-147	L438338-03	WG457857
4-Methyl-2-pentanone (MIBK)	mg/l	0.115	0.00103	.125	91.4	40-160	L438338-03	WG457857
Acetone	mg/l	0.109	0.0598	.125	39.2	25-157	L438338-03	WG457857
Acrolein	mg/l	0.0594	0.0308	.125	22.9	0-179	L438338-03	WG457857
Acrylonitrile	mg/l	0.103	0	.125	82.8	37-162	L438338-03	WG457857
Benzene	mg/l	0.0610	0.0380	.025	91.8	16-158	L438338-03	WG457857
Bromobenzene	mg/l	0.0252	0.00183	.025	93.3	37-147	L438338-03	WG457857
Bromodichloromethane	mg/l	0.0242	0.000380	.025	95.4	45-147	L438338-03	WG457857
Bromoform	mg/l	0.0248	0	.025	99.0	38-152	L438338-03	WG457857
Bromomethane	mg/l	0.0188	0	.025	75.1	0-191	L438338-03	WG457857
Carbon tetrachloride	mg/l	0.0254	0	.025	102.	22-168	L438338-03	WG457857
Chlorobenzene	mg/l	0.0239	0	.025	95.5	33-148	L438338-03	WG457857
Chlorodibromomethane	mg/l	0.0249	0	.025	99.6	48-151	L438338-03	WG457857
Chloroethane	mg/l	0.0275	0.00268	.025	99.4	4-176	L438338-03	WG457857
Chloroform	mg/l	0.0236	0	.025	94.6	37-147	L438338-03	WG457857
Chloromethane	mg/l	0.0278	0.00134	.025	106.	10-174	L438338-03	WG457857
cis-1,2-Dichloroethene	mg/l	0.0246	0.000811	.025	95.1	29-156	L438338-03	WG457857
cis-1,3-Dichloropropene	mg/l	0.0247	0	.025	98.8	35-148	L438338-03	WG457857
Di-isopropyl ether	mg/l	0.0215	0	.025	86.1	39-160	L438338-03	WG457857
Dibromomethane	mg/l	0.0251	0	.025	100.	36-152	L438338-03	WG457857
Dichlorodifluoromethane	mg/l	0.0339	0	.025	136.	0-200	L438338-03	WG457857
Ethylbenzene	mg/l	0.0866	0.0650	.025	86.4	29-150	L438338-03	WG457857
Hexachloro-1,3-butadiene	mg/l	0.0214	0	.025	85.6	28-144	L438338-03	WG457857
Isopropylbenzene	mg/l	0.0289	0.00665	.025	88.8	35-147	L438338-03	WG457857
Methyl tert-butyl ether	mg/l	0.0288	0.00620	.025	90.5	24-167	L438338-03	WG457857
Methylene Chloride	mg/l	0.0238	0.00338	.025	81.5	23-151	L438338-03	WG457857
n-Butylbenzene	mg/l	0.0273	0.00591	.025	85.5	22-151	L438338-03	WG457857
n-Propylbenzene	mg/l	0.0390	0.0164	.025	90.6	26-150	L438338-03	WG457857
Naphthalene	mg/l	0.0184	0	.025	73.8	24-160	L438338-03	WG457857
p-Isopropyltoluene	mg/l	0.0244	0.000300	.025	96.2	28-151	L438338-03	WG457857
sec-Butylbenzene	mg/l	0.0238	0.000710	.025	92.2	32-149	L438338-03	WG457857
Styrene	mg/l	0.0252	0	.025	101.	38-149	L438338-03	WG457857
tert-Butylbenzene	mg/l	0.0237	0.00620	.025	70.1	36-149	L438338-03	WG457857
Tetrachloroethene	mg/l	0.0245	0	.025	98.0	13-157	L438338-03	WG457857
Toluene	mg/l	0.0246	0.00160	.025	91.8	22-152	L438338-03	WG457857
trans-1,2-Dichloroethene	mg/l	0.0244	0	.025	97.8	11-160	L438338-03	WG457857
trans-1,3-Dichloropropene	mg/l	0.0241	0	.025	96.4	33-153	L438338-03	WG457857

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Quality Assurance Report
Level II

L438453

January 06, 2010

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Trichloroethene	mg/l	0.0246	0	.025	98.2	18-163	L438338-03	WG457857
Trichlorofluoromethane	mg/l	0.0249	0	.025	99.4	10-177	L438338-03	WG457857
Vinyl chloride	mg/l	0.0257	0	.025	103.	0-179	L438338-03	WG457857
Xylenes, Total	mg/l	0.0809	0.00810	.075	97.0	27-151	L438338-03	WG457857
4-Bromofluorobenzene					102.5	75-128		WG457857
Dibromofluoromethane					100.6	79-125		WG457857
Toluene-d8					97.36	87-114		WG457857
1,1,1,2-Tetrachloroethane	mg/l	0.0227	0	.025	91.0	45-152	L438451-01	WG457856
1,1,1-Trichloroethane	mg/l	0.0236	0	.025	94.6	31-161	L438451-01	WG457856
1,1,2,2-Tetrachloroethane	mg/l	0.0243	0	.025	97.1	49-149	L438451-01	WG457856
1,1,2-Trichloroethane	mg/l	0.0243	0	.025	97.2	46-145	L438451-01	WG457856
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0230	0	.025	92.2	14-168	L438451-01	WG457856
1,1-Dichloroethane	mg/l	0.0241	0	.025	96.4	30-159	L438451-01	WG457856
1,1-Dichloroethene	mg/l	0.0251	0	.025	100.	10-162	L438451-01	WG457856
1,1-Dichloropropene	mg/l	0.0241	0	.025	96.4	14-162	L438451-01	WG457856
1,2,3-Trichlorobenzene	mg/l	0.0228	0	.025	91.2	32-143	L438451-01	WG457856
1,2,3-Trichloropropane	mg/l	0.0240	0	.025	96.2	48-148	L438451-01	WG457856
1,2,3-Trimethylbenzene	mg/l	0.0304	0.00878	.025	86.4	36-141	L438451-01	WG457856
1,2,4-Trichlorobenzene	mg/l	0.0231	0	.025	92.4	27-142	L438451-01	WG457856
1,2,4-Trimethylbenzene	mg/l	0.0572	0.0451	.025	48.2	29-153	L438451-01	WG457856
1,2-Dibromo-3-Chloropropane	mg/l	0.0271	0.00204	.025	100.	37-148	L438451-01	WG457856
1,2-Dibromoethane	mg/l	0.0229	0	.025	91.6	41-149	L438451-01	WG457856
1,2-Dichlorobenzene	mg/l	0.0236	0	.025	94.4	40-139	L438451-01	WG457856
1,2-Dichloroethane	mg/l	0.0259	0	.025	103.	29-167	L438451-01	WG457856
1,2-Dichloropropane	mg/l	0.0234	0.000895	.025	89.9	39-148	L438451-01	WG457856
1,3,5-Trimethylbenzene	mg/l	0.0318	0.0120	.025	79.5	33-149	L438451-01	WG457856
1,3-Dichlorobenzene	mg/l	0.0224	0	.025	89.7	32-148	L438451-01	WG457856
1,3-Dichloropropane	mg/l	0.0233	0	.025	93.3	44-142	L438451-01	WG457856
1,4-Dichlorobenzene	mg/l	0.0231	0	.025	92.3	32-136	L438451-01	WG457856
2,2-Dichloropropane	mg/l	0.0233	0	.025	93.0	14-158	L438451-01	WG457856
2-Butanone (MEK)	mg/l	0.124	0.000951	.125	98.1	32-151	L438451-01	WG457856
2-Chloroethyl vinyl ether	mg/l	0.0281	0	.125	22.5	0-175	L438451-01	WG457856
2-Chlorotoluene	mg/l	0.0234	0.00127	.025	88.6	35-147	L438451-01	WG457856
4-Chlorotoluene	mg/l	0.0230	0	.025	92.1	33-147	L438451-01	WG457856
4-Methyl-2-pentanone (MIBK)	mg/l	0.120	0.000522	.125	95.6	40-160	L438451-01	WG457856
Acetone	mg/l	0.129	0.00789	.125	96.7	25-157	L438451-01	WG457856
Acrolein	mg/l	0.0621	0.0188	.125	34.6	0-179	L438451-01	WG457856
Acrylonitrile	mg/l	0.127	0.00460	.125	97.6	37-162	L438451-01	WG457856
Benzene	mg/l	0.0656	0.0530	.025	50.5	16-158	L438451-01	WG457856
Bromobenzene	mg/l	0.0233	0.000673	.025	90.6	37-147	L438451-01	WG457856
Bromodichloromethane	mg/l	0.0233	0	.025	93.1	45-147	L438451-01	WG457856
Bromoform	mg/l	0.0243	0	.025	97.2	38-152	L438451-01	WG457856
Bromomethane	mg/l	0.0239	0.000445	.025	93.7	0-191	L438451-01	WG457856
Carbon tetrachloride	mg/l	0.0243	0	.025	97.4	22-168	L438451-01	WG457856
Chlorobenzene	mg/l	0.0229	0	.025	91.7	33-148	L438451-01	WG457856
Chlorodibromomethane	mg/l	0.0223	0	.025	89.1	48-151	L438451-01	WG457856
Chloroethane	mg/l	0.0249	0	.025	99.8	4-176	L438451-01	WG457856
Chloroform	mg/l	0.0235	0	.025	93.9	37-147	L438451-01	WG457856
Chloromethane	mg/l	0.0246	0	.025	98.5	10-174	L438451-01	WG457856
cis-1,2-Dichloroethene	mg/l	0.0231	0.000914	.025	88.9	29-156	L438451-01	WG457856
cis-1,3-Dichloropropene	mg/l	0.0235	0	.025	94.0	35-148	L438451-01	WG457856
Di-isopropyl ether	mg/l	0.0269	0.00434	.025	90.2	39-160	L438451-01	WG457856
Dibromomethane	mg/l	0.0251	0	.025	100.	36-152	L438451-01	WG457856
Dichlorodifluoromethane	mg/l	0.0294	0	.025	118.	0-200	L438451-01	WG457856
Ethylbenzene	mg/l	0.0456	0.0300	.025	62.6	29-150	L438451-01	WG457856
Hexachloro-1,3-butadiene	mg/l	0.0223	0	.025	89.1	28-144	L438451-01	WG457856
Isopropylbenzene	mg/l	0.0233	0.00149	.025	87.1	35-147	L438451-01	WG457856

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Quality Assurance Report
Level II

L438453

January 06, 2010

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Methyl tert-butyl ether	mg/l	0.0373	0.0150	.025	89.0	24-167	L438451-01	WG457856
Methylene Chloride	mg/l	0.0239	0.000435	.025	93.8	23-151	L438451-01	WG457856
n-Butylbenzene	mg/l	0.0254	0.000714	.025	98.9	22-151	L438451-01	WG457856
n-Propylbenzene	mg/l	0.0272	0.00582	.025	85.6	26-150	L438451-01	WG457856
Naphthalene	mg/l	0.0413	0.0194	.025	87.7	24-160	L438451-01	WG457856
p-Isopropyltoluene	mg/l	0.0231	0.000453	.025	90.6	28-151	L438451-01	WG457856
sec-Butylbenzene	mg/l	0.0227	0	.025	90.9	32-149	L438451-01	WG457856
Styrene	mg/l	0.0238	0	.025	95.1	38-149	L438451-01	WG457856
tert-Butylbenzene	mg/l	0.0226	0	.025	90.3	36-149	L438451-01	WG457856
Tetrachloroethene	mg/l	0.0232	0	.025	92.7	13-157	L438451-01	WG457856
Toluene	mg/l	0.0469	0.0310	.025	63.6	22-152	L438451-01	WG457856
trans-1,2-Dichloroethene	mg/l	0.0238	0	.025	95.4	11-160	L438451-01	WG457856
trans-1,3-Dichloropropene	mg/l	0.0230	0.000566	.025	89.6	33-153	L438451-01	WG457856
Trichloroethene	mg/l	0.0229	0	.025	91.7	18-163	L438451-01	WG457856
Trichlorofluoromethane	mg/l	0.0250	0	.025	100.	10-177	L438451-01	WG457856
Vinyl chloride	mg/l	0.0249	0	.025	99.6	0-179	L438451-01	WG457856
Xylenes, Total	mg/l	0.167	0.130	.075	49.0	27-151	L438451-01	WG457856
4-Bromofluorobenzene					99.30	75-128		WG457856
Dibromofluoromethane					102.4	79-125		WG457856
Toluene-d8					101.0	87-114		WG457856

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0249	0.0269	99.6	45-152	7.86	21	L438187-01	WG457681
1,1,1-Trichloroethane	mg/l	0.0271	0.0308	108.	31-161	12.8	23	L438187-01	WG457681
1,1,2,2-Tetrachloroethane	mg/l	0.0241	0.0247	96.3	49-149	2.40	22	L438187-01	WG457681
1,1,2-Trichloroethane	mg/l	0.0224	0.0244	89.6	46-145	8.43	20	L438187-01	WG457681
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0273	0.0331	109.	14-168	19.5	24	L438187-01	WG457681
1,1-Dichloroethane	mg/l	0.0250	0.0284	99.8	30-159	12.8	21	L438187-01	WG457681
1,1-Dichloroethene	mg/l	0.0279	0.0321	112.	10-162	13.9	23	L438187-01	WG457681
1,1-Dichloropropene	mg/l	0.0272	0.0315	109.	14-162	14.6	23	L438187-01	WG457681
1,2,3-Trichlorobenzene	mg/l	0.0200	0.0212	80.0	32-143	5.60	33	L438187-01	WG457681
1,2,3-Trichloropropane	mg/l	0.0237	0.0256	94.9	48-148	7.71	23	L438187-01	WG457681
1,2,3-Trimethylbenzene	mg/l	0.0235	0.0258	94.0	36-141	9.26	25	L438187-01	WG457681
1,2,4-Trichlorobenzene	mg/l	0.0219	0.0233	87.4	27-142	6.36	30	L438187-01	WG457681
1,2,4-Trimethylbenzene	mg/l	0.0266	0.0338	106.	29-153	23.7	27	L438187-01	WG457681
1,2-Dibromo-3-Chloropropane	mg/l	0.0206	0.0224	82.5	37-148	8.14	27	L438187-01	WG457681
1,2-Dibromoethane	mg/l	0.0239	0.0255	95.7	41-149	6.41	21	L438187-01	WG457681
1,2-Dichlorobenzene	mg/l	0.0230	0.0244	92.0	40-139	5.74	23	L438187-01	WG457681
1,2-Dichloroethane	mg/l	0.0253	0.0266	101.	29-167	5.15	21	L438187-01	WG457681
1,2-Dichloropropane	mg/l	0.0245	0.0269	97.9	39-148	9.28	20	L438187-01	WG457681
1,3,5-Trimethylbenzene	mg/l	0.0266	0.0313	106.	33-149	15.9	26	L438187-01	WG457681
1,3-Dichlorobenzene	mg/l	0.0240	0.0263	95.8	32-148	9.23	24	L438187-01	WG457681
1,3-Dichloropropane	mg/l	0.0231	0.0240	92.3	44-142	3.76	20	L438187-01	WG457681
1,4-Dichlorobenzene	mg/l	0.0228	0.0241	91.1	32-136	5.51	23	L438187-01	WG457681
2,2-Dichloropropane	mg/l	0.0277	0.0319	111.	14-158	14.0	23	L438187-01	WG457681
2-Butanone (MEK)	mg/l	0.121	0.132	96.8	32-151	8.89	26	L438187-01	WG457681
2-Chloroethyl vinyl ether	mg/l	0	0	0.00	0-175	0	75	L438187-01	WG457681
2-Chlorotoluene	mg/l	0.0255	0.0287	102.	35-147	11.7	24	L438187-01	WG457681
4-Chlorotoluene	mg/l	0.0255	0.0285	102.	33-147	11.0	25	L438187-01	WG457681
4-Methyl-2-pentanone (MIBK)	mg/l	0.120	0.124	96.0	40-160	3.46	28	L438187-01	WG457681
Acetone	mg/l	0.145	0.156	72.5	25-157	7.29	26	L438187-01	WG457681
Acrolein	mg/l	0.0557	0.0622	44.6	0-179	11.0	39	L438187-01	WG457681
Acrylonitrile	mg/l	0.124	0.130	98.8	37-162	5.39	24	L438187-01	WG457681
Benzene	mg/l	0.0250	0.0289	100.	16-158	14.5	21	L438187-01	WG457681
Bromobenzene	mg/l	0.0240	0.0262	96.0	37-147	8.79	23	L438187-01	WG457681
Bromodichloromethane	mg/l	0.0249	0.0270	99.8	45-147	7.79	20	L438187-01	WG457681
Bromoform	mg/l	0.0240	0.0257	95.9	38-152	6.79	20	L438187-01	WG457681

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Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Bromomethane	mg/l	0.0254	0.0293	102.	0-191	14.2	35	L438187-01	WG457681
Carbon tetrachloride	mg/l	0.0285	0.0330	114.	22-168	14.4	24	L438187-01	WG457681
Chlorobenzene	mg/l	0.0256	0.0286	102.	33-148	11.4	22	L438187-01	WG457681
Chlorodibromomethane	mg/l	0.0224	0.0241	89.8	48-151	7.20	21	L438187-01	WG457681
Chloroethane	mg/l	0.0258	0.0282	103.	4-176	8.91	27	L438187-01	WG457681
Chloroform	mg/l	0.0253	0.0275	101.	37-147	8.31	21	L438187-01	WG457681
Chloromethane	mg/l	0.0248	0.0282	99.0	10-174	13.2	28	L438187-01	WG457681
cis-1,2-Dichloroethene	mg/l	0.0261	0.0294	104.	29-156	11.9	22	L438187-01	WG457681
cis-1,3-Dichloropropene	mg/l	0.0238	0.0252	95.3	35-148	5.46	21	L438187-01	WG457681
Di-isopropyl ether	mg/l	0.0227	0.0240	91.0	39-160	5.21	21	L438187-01	WG457681
Dibromomethane	mg/l	0.0246	0.0261	98.2	36-152	5.97	20	L438187-01	WG457681
Dichlorodifluoromethane	mg/l	0.0265	0.0324	106.	0-200	20.0	26	L438187-01	WG457681
Ethylbenzene	mg/l	0.0273	0.0324	109.	29-150	17.0	24	L438187-01	WG457681
Hexachloro-1,3-butadiene	mg/l	0.0216	0.0245	86.3	28-144	12.5	33	L438187-01	WG457681
Isopropylbenzene	mg/l	0.0257	0.0295	103.	35-147	13.6	25	L438187-01	WG457681
Methyl tert-butyl ether	mg/l	0.0227	0.0234	90.9	24-167	3.03	22	L438187-01	WG457681
Methylene Chloride	mg/l	0.0242	0.0263	97.0	23-151	8.08	21	L438187-01	WG457681
n-Butylbenzene	mg/l	0.0261	0.0295	104.	22-151	12.3	29	L438187-01	WG457681
n-Propylbenzene	mg/l	0.0262	0.0309	105.	26-150	16.5	25	L438187-01	WG457681
Naphthalene	mg/l	0.0208	0.0227	83.4	24-160	8.47	37	L438187-01	WG457681
p-Isopropyltoluene	mg/l	0.0272	0.0310	109.	28-151	13.3	27	L438187-01	WG457681
sec-Butylbenzene	mg/l	0.0266	0.0310	106.	32-149	15.3	26	L438187-01	WG457681
Styrene	mg/l	0.0265	0.0298	106.	38-149	11.8	23	L438187-01	WG457681
tert-Butylbenzene	mg/l	0.0270	0.0311	108.	36-149	14.2	26	L438187-01	WG457681
Tetrachloroethene	mg/l	0.0250	0.0291	100.	13-157	15.1	24	L438187-01	WG457681
Toluene	mg/l	0.0251	0.0359	100.	22-152	35.5*	22	L438187-01	WG457681
trans-1,2-Dichloroethene	mg/l	0.0285	0.0324	114.	11-160	12.7	23	L438187-01	WG457681
trans-1,3-Dichloropropene	mg/l	0.0243	0.0249	97.4	33-153	2.37	22	L438187-01	WG457681
Trichloroethene	mg/l	0.0257	0.0293	103.	18-163	13.3	21	L438187-01	WG457681
Trichlorofluoromethane	mg/l	0.0263	0.0308	105.	10-177	15.8	24	L438187-01	WG457681
Vinyl chloride	mg/l	0.0274	0.0323	110.	0-179	16.4	26	L438187-01	WG457681
Xylenes, Total	mg/l	0.0802	0.101	107.	27-151	23.2*	23	L438187-01	WG457681
4-Bromofluorobenzene				97.72	75-128				WG457681
Dibromofluoromethane				101.6	79-125				WG457681
Toluene-d8				93.67	87-114				WG457681
1,1,1,2-Tetrachloroethane	mg/l	0.0193	0.0245	77.4	45-152	23.6*	21	L438338-03	WG457857
1,1,1-Trichloroethane	mg/l	0.0224	0.0245	89.4	31-161	9.11	23	L438338-03	WG457857
1,1,2,2-Tetrachloroethane	mg/l	0.0196	0.0237	78.6	49-149	18.6	22	L438338-03	WG457857
1,1,2-Trichloroethane	mg/l	0.0183	0.0228	73.4	46-145	21.6*	20	L438338-03	WG457857
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0215	0.0227	86.2	14-168	5.05	24	L438338-03	WG457857
1,1-Dichloroethane	mg/l	0.0224	0.0237	89.4	30-159	5.99	21	L438338-03	WG457857
1,1-Dichloroethene	mg/l	0.0235	0.0240	94.0	10-162	1.96	23	L438338-03	WG457857
1,1-Dichloropropene	mg/l	0.0221	0.0239	88.6	14-162	7.71	23	L438338-03	WG457857
1,2,3-Trichlorobenzene	mg/l	0.0178	0.0195	71.1	32-143	9.20	33	L438338-03	WG457857
1,2,3-Trichloropropane	mg/l	0.0183	0.0242	73.3	48-148	27.5*	23	L438338-03	WG457857
1,2,3-Trimethylbenzene	mg/l	0.0195	0.0210	74.0	36-141	7.55	25	L438338-03	WG457857
1,2,4-Trichlorobenzene	mg/l	0.0200	0.0204	79.8	27-142	2.13	30	L438338-03	WG457857
1,2,4-Trimethylbenzene	mg/l	0.0531	0.0653	40.4	29-153	20.5	27	L438338-03	WG457857
1,2-Dibromo-3-Chloropropane	mg/l	0.0177	0.0213	70.9	37-148	18.6	27	L438338-03	WG457857
1,2-Dibromoethane	mg/l	0.0193	0.0245	77.0	41-149	24.0*	21	L438338-03	WG457857
1,2-Dichlorobenzene	mg/l	0.0195	0.0221	78.0	40-139	12.3	23	L438338-03	WG457857
1,2-Dichloroethane	mg/l	0.0220	0.0243	88.0	29-167	10.1	21	L438338-03	WG457857
1,2-Dichloropropane	mg/l	0.0181	0.0202	72.6	39-148	10.6	20	L438338-03	WG457857
1,3,5-Trimethylbenzene	mg/l	0.0198	0.0237	79.3	33-149	18.0	26	L438338-03	WG457857
1,3-Dichlorobenzene	mg/l	0.0192	0.0240	76.8	32-148	22.1	24	L438338-03	WG457857
1,3-Dichloropropane	mg/l	0.0189	0.0232	75.4	44-142	20.4*	20	L438338-03	WG457857
1,4-Dichlorobenzene	mg/l	0.0190	0.0222	76.1	32-136	15.2	23	L438338-03	WG457857

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Parker, CO 80134

Quality Assurance Report
Level II

L438453

January 06, 2010

Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
2,2-Dichloropropane	mg/l	0.0228	0.0239	91.3	14-158	4.75	23	L438338-03	WG457857
2-Butanone (MEK)	mg/l	0.0957	0.111	76.5	32-151	15.2	26	L438338-03	WG457857
2-Chloroethyl vinyl ether	mg/l	0.00146	0.0142	0.0260	0-175	163.*	75	L438338-03	WG457857
2-Chlorotoluene	mg/l	0.0196	0.0234	78.4	35-147	17.5	24	L438338-03	WG457857
4-Chlorotoluene	mg/l	0.0191	0.0229	76.5	33-147	18.0	25	L438338-03	WG457857
4-Methyl-2-pentanone (MIBK)	mg/l	0.0965	0.115	76.4	40-160	17.7	28	L438338-03	WG457857
Acetone	mg/l	0.0994	0.109	31.7	25-157	9.03	26	L438338-03	WG457857
Acrolein	mg/l	0.0594	0.0594	22.9	0-179	0.0345	39	L438338-03	WG457857
Acrylonitrile	mg/l	0.0926	0.103	74.1	37-162	11.1	24	L438338-03	WG457857
Benzene	mg/l	0.0567	0.0610	74.8	16-158	7.24	21	L438338-03	WG457857
Bromobenzene	mg/l	0.0207	0.0252	75.3	37-147	19.6	23	L438338-03	WG457857
Bromodichloromethane	mg/l	0.0215	0.0242	84.4	45-147	12.0	20	L438338-03	WG457857
Bromoform	mg/l	0.0190	0.0248	75.9	38-152	26.4*	20	L438338-03	WG457857
Bromomethane	mg/l	0.0203	0.0188	81.2	0-191	7.79	35	L438338-03	WG457857
Carbon tetrachloride	mg/l	0.0232	0.0254	93.0	22-168	8.79	24	L438338-03	WG457857
Chlorobenzene	mg/l	0.0195	0.0239	77.9	33-148	20.4	22	L438338-03	WG457857
Chlorodibromomethane	mg/l	0.0190	0.0249	76.0	48-151	26.9*	21	L438338-03	WG457857
Chloroethane	mg/l	0.0325	0.0275	119.	4-176	16.5	27	L438338-03	WG457857
Chloroform	mg/l	0.0210	0.0236	84.1	37-147	11.7	21	L438338-03	WG457857
Chloromethane	mg/l	0.0257	0.0278	97.6	10-174	7.62	28	L438338-03	WG457857
cis-1,2-Dichloroethene	mg/l	0.0227	0.0246	87.4	29-156	8.09	22	L438338-03	WG457857
cis-1,3-Dichloropropene	mg/l	0.0211	0.0247	84.3	35-148	15.8	21	L438338-03	WG457857
Di-isopropyl ether	mg/l	0.0196	0.0215	78.5	39-160	9.15	21	L438338-03	WG457857
Dibromomethane	mg/l	0.0209	0.0251	83.6	36-152	18.4	20	L438338-03	WG457857
Dichlorodifluoromethane	mg/l	0.0311	0.0339	124.	0-200	8.61	26	L438338-03	WG457857
Ethylbenzene	mg/l	0.0698	0.0866	19.2*	29-150	21.5	24	L438338-03	WG457857
Hexachloro-1,3-butadiene	mg/l	0.0188	0.0214	75.2	28-144	13.0	33	L438338-03	WG457857
Isopropylbenzene	mg/l	0.0244	0.0289	71.0	35-147	16.8	25	L438338-03	WG457857
Methyl tert-butyl ether	mg/l	0.0250	0.0288	75.4	24-167	14.1	22	L438338-03	WG457857
Methylene Chloride	mg/l	0.0205	0.0238	68.4	23-151	14.8	21	L438338-03	WG457857
n-Butylbenzene	mg/l	0.0263	0.0273	81.7	22-151	3.55	29	L438338-03	WG457857
n-Propylbenzene	mg/l	0.0325	0.0390	64.4	26-150	18.4	25	L438338-03	WG457857
Naphthalene	mg/l	0.0191	0.0184	76.4	24-160	3.45	37	L438338-03	WG457857
p-Isopropyltoluene	mg/l	0.0205	0.0244	81.0	28-151	16.9	27	L438338-03	WG457857
sec-Butylbenzene	mg/l	0.0204	0.0238	78.9	32-149	15.1	26	L438338-03	WG457857
Styrene	mg/l	0.0207	0.0252	82.8	38-149	19.5	23	L438338-03	WG457857
tert-Butylbenzene	mg/l	0.0201	0.0237	55.5	36-149	16.6	26	L438338-03	WG457857
Tetrachloroethene	mg/l	0.0203	0.0245	81.2	13-157	18.7	24	L438338-03	WG457857
Toluene	mg/l	0.0228	0.0246	84.9	22-152	7.27	22	L438338-03	WG457857
trans-1,2-Dichloroethene	mg/l	0.0226	0.0244	90.4	11-160	7.77	23	L438338-03	WG457857
trans-1,3-Dichloropropene	mg/l	0.0201	0.0241	80.6	33-153	17.9	22	L438338-03	WG457857
Trichloroethene	mg/l	0.0212	0.0246	84.9	18-163	14.6	21	L438338-03	WG457857
Trichlorofluoromethane	mg/l	0.0234	0.0249	93.4	10-177	6.23	24	L438338-03	WG457857
Vinyl chloride	mg/l	0.0252	0.0257	101.	0-179	2.09	26	L438338-03	WG457857
Xylenes, Total	mg/l	0.0662	0.0809	77.4	27-151	20.0	23	L438338-03	WG457857
4-Bromofluorobenzene				97.77	75-128				WG457857
Dibromofluoromethane				102.0	79-125				WG457857
Toluene-d8				101.2	87-114				WG457857
1,1,1,2-Tetrachloroethane	mg/l	0.0237	0.0227	94.6	45-152	3.94	21	L438451-01	WG457856
1,1,1-Trichloroethane	mg/l	0.0246	0.0236	98.5	31-161	4.06	23	L438451-01	WG457856
1,1,2,2-Tetrachloroethane	mg/l	0.0246	0.0243	98.6	49-149	1.45	22	L438451-01	WG457856
1,1,2-Trichloroethane	mg/l	0.0244	0.0243	97.6	46-145	0.423	20	L438451-01	WG457856
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0232	0.0230	92.9	14-168	0.799	24	L438451-01	WG457856
1,1-Dichloroethane	mg/l	0.0250	0.0241	100.	30-159	3.72	21	L438451-01	WG457856
1,1-Dichloroethene	mg/l	0.0257	0.0251	103.	10-162	2.28	23	L438451-01	WG457856
1,1-Dichloropropene	mg/l	0.0250	0.0241	100.	14-162	3.58	23	L438451-01	WG457856
1,2,3-Trichlorobenzene	mg/l	0.0235	0.0228	93.9	32-143	2.93	33	L438451-01	WG457856

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Quality Assurance Report
Level II

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Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2,3-Trichloropropane	mg/l	0.0235	0.0240	94.0	48-148	2.31	23	L438451-01	WG457856
1,2,3-Trimethylbenzene	mg/l	0.0307	0.0304	87.6	36-141	0.943	25	L438451-01	WG457856
1,2,4-Trichlorobenzene	mg/l	0.0234	0.0231	93.6	27-142	1.27	30	L438451-01	WG457856
1,2,4-Trimethylbenzene	mg/l	0.0592	0.0572	56.1	29-153	3.41	27	L438451-01	WG457856
1,2-Dibromo-3-Chloropropane	mg/l	0.0242	0.0271	88.8	37-148	11.2	27	L438451-01	WG457856
1,2-Dibromoethane	mg/l	0.0234	0.0229	93.7	41-149	2.23	21	L438451-01	WG457856
1,2-Dichlorobenzene	mg/l	0.0240	0.0236	95.9	40-139	1.53	23	L438451-01	WG457856
1,2-Dichloroethane	mg/l	0.0263	0.0259	105.	29-167	1.87	21	L438451-01	WG457856
1,2-Dichloropropane	mg/l	0.0236	0.0234	90.8	39-148	0.980	20	L438451-01	WG457856
1,3,5-Trimethylbenzene	mg/l	0.0330	0.0318	84.1	33-149	3.54	26	L438451-01	WG457856
1,3-Dichlorobenzene	mg/l	0.0237	0.0224	94.9	32-148	5.72	24	L438451-01	WG457856
1,3-Dichloropropane	mg/l	0.0242	0.0233	96.9	44-142	3.79	20	L438451-01	WG457856
1,4-Dichlorobenzene	mg/l	0.0233	0.0231	93.4	32-136	1.13	23	L438451-01	WG457856
2,2-Dichloropropane	mg/l	0.0239	0.0233	95.5	14-158	2.64	23	L438451-01	WG457856
2-Butanone (MEK)	mg/l	0.122	0.124	96.7	32-151	1.44	26	L438451-01	WG457856
2-Chloroethyl vinyl ether	mg/l	0.0101	0.0281	8.10	0-175	94.1*	75	L438451-01	WG457856
2-Chlorotoluene	mg/l	0.0252	0.0234	95.7	35-147	7.38	24	L438451-01	WG457856
4-Chlorotoluene	mg/l	0.0241	0.0230	96.6	33-147	4.75	25	L438451-01	WG457856
4-Methyl-2-pentanone (MIBK)	mg/l	0.121	0.120	96.3	40-160	0.774	28	L438451-01	WG457856
Acetone	mg/l	0.126	0.129	94.3	25-157	2.34	26	L438451-01	WG457856
Acrolein	mg/l	0.0539	0.0621	28.0	0-179	14.1	39	L438451-01	WG457856
Acrylonitrile	mg/l	0.127	0.127	98.0	37-162	0.370	24	L438451-01	WG457856
Benzene	mg/l	0.0663	0.0656	53.3	16-158	1.04	21	L438451-01	WG457856
Bromobenzene	mg/l	0.0244	0.0233	94.8	37-147	4.38	23	L438451-01	WG457856
Bromodichloromethane	mg/l	0.0236	0.0233	94.3	45-147	1.31	20	L438451-01	WG457856
Bromoform	mg/l	0.0244	0.0243	97.5	38-152	0.270	20	L438451-01	WG457856
Bromomethane	mg/l	0.0250	0.0239	98.2	0-191	4.52	35	L438451-01	WG457856
Carbon tetrachloride	mg/l	0.0254	0.0243	102.	22-168	4.37	24	L438451-01	WG457856
Chlorobenzene	mg/l	0.0235	0.0229	93.9	33-148	2.35	22	L438451-01	WG457856
Chlorodibromomethane	mg/l	0.0229	0.0223	91.6	48-151	2.80	21	L438451-01	WG457856
Chloroethane	mg/l	0.0260	0.0249	104.	4-176	3.94	27	L438451-01	WG457856
Chloroform	mg/l	0.0242	0.0235	97.0	37-147	3.16	21	L438451-01	WG457856
Chloromethane	mg/l	0.0256	0.0246	102.	10-174	3.87	28	L438451-01	WG457856
cis-1,2-Dichloroethene	mg/l	0.0239	0.0231	92.1	29-156	3.39	22	L438451-01	WG457856
cis-1,3-Dichloropropene	mg/l	0.0243	0.0235	97.3	35-148	3.48	21	L438451-01	WG457856
Di-isopropyl ether	mg/l	0.0268	0.0269	89.8	39-160	0.315	21	L438451-01	WG457856
Dibromomethane	mg/l	0.0251	0.0251	100.	36-152	0.0412	20	L438451-01	WG457856
Dichlorodifluoromethane	mg/l	0.0313	0.0294	125.	0-200	6.19	26	L438451-01	WG457856
Ethylbenzene	mg/l	0.0470	0.0456	68.1	29-150	3.00	24	L438451-01	WG457856
Hexachloro-1,3-butadiene	mg/l	0.0234	0.0223	93.4	28-144	4.75	33	L438451-01	WG457856
Isopropylbenzene	mg/l	0.0244	0.0233	91.5	35-147	4.62	25	L438451-01	WG457856
Methyl tert-butyl ether	mg/l	0.0370	0.0373	87.8	24-167	0.842	22	L438451-01	WG457856
Methylene Chloride	mg/l	0.0240	0.0239	94.4	23-151	0.608	21	L438451-01	WG457856
n-Butylbenzene	mg/l	0.0263	0.0254	102.	22-151	3.20	29	L438451-01	WG457856
n-Propylbenzene	mg/l	0.0287	0.0272	91.4	26-150	5.17	25	L438451-01	WG457856
Naphthalene	mg/l	0.0422	0.0413	91.3	24-160	2.18	37	L438451-01	WG457856
p-Isopropyltoluene	mg/l	0.0243	0.0231	95.4	28-151	5.12	27	L438451-01	WG457856
sec-Butylbenzene	mg/l	0.0244	0.0227	97.5	32-149	7.08	26	L438451-01	WG457856
Styrene	mg/l	0.0248	0.0238	99.1	38-149	4.19	23	L438451-01	WG457856
tert-Butylbenzene	mg/l	0.0236	0.0226	94.5	36-149	4.58	26	L438451-01	WG457856
Tetrachloroethene	mg/l	0.0239	0.0232	95.6	13-157	3.15	24	L438451-01	WG457856
Toluene	mg/l	0.0483	0.0469	69.2	22-152	2.94	22	L438451-01	WG457856
trans-1,2-Dichloroethene	mg/l	0.0243	0.0238	97.2	11-160	1.92	23	L438451-01	WG457856
trans-1,3-Dichloropropene	mg/l	0.0233	0.0230	91.0	33-153	1.45	22	L438451-01	WG457856
Trichloroethene	mg/l	0.0236	0.0229	94.5	18-163	3.00	21	L438451-01	WG457856
Trichlorofluoromethane	mg/l	0.0266	0.0250	106.	10-177	6.01	24	L438451-01	WG457856
Vinyl chloride	mg/l	0.0255	0.0249	102.	0-179	2.23	26	L438451-01	WG457856
Xylenes, Total	mg/l	0.171	0.167	54.6	27-151	2.48	23	L438451-01	WG457856
4-Bromofluorobenzene				100.9	75-128				WG457856

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Analyte	Units	MSD	Matrix Spike Duplicate Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Dibromofluoromethane				102.6	79-125				
Toluene-d8				101.3	87-114				

Batch number /Run number / Sample number cross reference

WG457256: R1059691: L438453-01 02 03
WG457411: R1061432: L438453-01 02 03
WG457681: R1062129: L438453-01
WG457857: R1063528: L438453-02
WG457856: R1064628: L438453-03

* * Calculations are performed prior to rounding of reported values .
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For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L438453

January 06, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.