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Alameda County  
Environmental Health

**TANK CLOSURE REPORT**

*for*

**THE GREEN ON PARK PLACE**

5144 Martinelli Way  
SEC Martinelli Way & Arnold Road  
(APN 986-0033-002)  
Dublin, California 94568

October 29, 2008

Project Number: BHV1 01-08-011-CA

*Prepared For:*

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## **1 INTRODUCTION**

ADR Environmental Group, Inc. (ADR) has prepared this report describing the results of soil sampling conducted, as part of an underground storage tank (UST) removal, at 5144 Martinelli Way (southeast corner of Martinelli Way and Arnold Road - APN 986-0033-002) in Dublin, California (subject Property; Figure 1). ADR was retained by the owner of the property, Stockbridge/BHV Emerald Place Land Co., LLC, under the proposal dated September 15, 2008, and authorized on September 24, 2008. Prior to removal of the UST, an Underground Storage Tank Closure Plan was filed with and approved by Alameda County Department of Environmental Health (ACDEH).

## **2 BACKGROUND**

The subject Property is a 13.57 acre parcel of land currently being redeveloped as a shopping center named the Green on Park Place. The subject Property was formerly a portion of Camp Shoemaker, a naval facility built during World War II, and reportedly contained a gatehouse, a guest reception lounge, an athletic field (Forster Field), an athletic field house and a portion of a warehouse receiving area. It is thought that the subject Property was later transferred to the County of Alameda and was either a portion of the Santa Rita Correctional Facility or the Parks Air Force Base. The structures on the subject Property are thought to have been demolished in the mid 1990s.

On September 5, 2008, during grading activities associated with redevelopment of the subject Property as a shopping center, a steel underground storage tank (UST) was discovered near the southwest corner of the subject Property, to the west of future Building 200 that will be utilized as a parking lot for the new shopping center (Figure 1). While it is not certain when or for what purpose the UST was installed, the UST appears to be near the location of the former guest reception lounge and is therefore thought to have been used for fuel oil to heat the former building or dispensing diesel fuel. The UST is located approximately 103 feet east of Arnold Road and 375 feet north of the southern property line. The construction equipment, grading and ripping the site, reportedly tore several holes in the top of the UST. However, no spills or leakage was noted following the incident. At the time of the incident the UST was reportedly nearly full with a petroleum smelling liquid. Upon hitting the UST, it was demarcated and no further work was done in the immediate area.

On September 30, 2008, ADR, working in conjunction with San Jose Construction (the general contractor) and Ferma Corporation (the UST removal subcontractor), submitted a UST Closure Plan to ACDEH. The UST closure plan was subsequently approved by ACDEH on October 1, 2008. Additionally, the Bay Area Air Quality Management District (BAAQMD) and the Alameda County Fire Department were notified of the pending tank removal.

For waste characterization and acceptance purposes, the UST contents were sampled by Evergreen Environmental Services (Evergreen) on September 24, 2008. On October 1, 2008, Ferma Corporation contracted with Evergreen to remove the tank fluid and clean the inside of the tank. Approximately 915 gallons of product residue and sludge was pumped from the tank by vacuum truck and transported by Evergreen to the Evergreen Oil, Inc. disposal facility in Newark, California. A copy of the hazardous waste manifest (#004478440JJK) is included in Appendix B.

### **3 UST REMOVAL AND RELATED SOIL SAMPLING**

In accordance with ACDEH permit authorization (see Appendix A), on October 2, 2008, one steel, single-walled, 4 foot wide by 12 foot long (approximate 1,100-gallon) UST was excavated and removed from the site. Mr. Robert Weston of ACDEH and Mr. Larry Flora of ADR witnessed removal of the UST. Ferma Corporation (California License A, C21, C57, B, ASB, & HAZ #236337) of Mountain View, California, was the general contractor for the UST removal. Prior to the tank removal, the UST was purged of flammable vapors by displacement with dry ice. Once the lower explosive limit (LEL) and oxygen content of the tank interior was found to be within permit specifications, the UST was removed from the excavation using a track-mounted excavator. While lifting the tank from the tank pit, the UST was inadvertently damaged (crushed side walls) by the bucket of the excavator. The excavation was subsequently measured to be approximately 22-feet long by 18-feet wide and 4 to 6-feet deep.

Native soil exposed along the sidewalls of the excavation, to a depth of 12 feet bgs, consisted of olive brown, very fine-grained, medium dense, moist to very moist Clayey sand and/or sandy clay. Although soil moisture increased with depth, groundwater was not encountered. Soil types encountered in tank excavation are summarized in Figure 2.

Soil excavated from around the UST was temporarily placed near to the western end of the excavation, on plastic sheeting (Figure 2). The stockpile (designated SP-1) contained approximately 45 to 50 cubic yards of material. The excavated stockpiled soil was screened in the field for the presence of organic vapors with a photoionization detector (PID). PID screening soil stockpile indicated the presence of organic vapors ranging from 10 to 40 parts per million (ppm).

The removed tank was inspected through Mr. Weston and found to be in fair condition. Although slightly rusty, no holes (excluding those made by the grading and excavation equipment) or evidence of severe corrosion were observed. The inerted tank was subsequently loaded onto a truck owned and operated by Ecology Control Industries (ECI) for transport (see hazardous waste manifest #004090234JJK, Appendix B) as non-RCRA hazardous waste to ECI's disposal site in Richmond, California for processing and destruction.

After removal of the UST from the excavation, observations indicated that soil within the excavation contained detectable concentrations of petroleum constituents. However, no staining or free product was present in the UST basin. Verification soil samples were subsequently collected from the center of the excavation floor at depths of 2, 4, and 6 feet below the floor of the pit in accordance with the ACEHD tank removal permit and Mr. Weston's direction (Figure 2). The verification soil samples were taken by removing native material from the floor of the tank pit with the bucket of the excavator and collecting the samples in a brass tube liners and Encore samplers (VOC analysis). The brass sleeves open ends were covered with Teflon liner and the ends sealed with plastic end caps.

Soil generated from the tank pit sampling was placed near the southern end of the tank excavation on plastic sheeting (Figure 2). The smaller stockpile (designated SP-2) contained approximately 5 cubic yards of material.

A total of approximately 50 to 55 cubic yards of soil was generated during the removal and sampling of the UST. Following the tank removal, ADR sampled the two soil stockpiled generated from the tank removal and pit soil sampling. For the purposes of soil characterization, larger stockpile SP-1 was measured and divided into two equal area cells of approximately 25 cubic yards each, labeled SP-1A and SP-1B. Four discrete soil samples were then collected at random locations from each cell of stockpile SP-1. Four discrete soil samples were also collected from smaller stockpile SP-2 (approximately 5 cubic yards). The discrete soil samples were collected by removing the upper 2 feet of soil with a shovel and driving a 2-inch diameter by 4-inch long brass sleeve into the exposed soil with a rubber mallet. The soil samples were quickly preserved in the brass sleeves by covering the open ends with Teflon liner, sealing the ends of the sleeves with plastic end caps. Additionally, two 5-gram Encore samplers were used to collect soil samples for purposes of VOCs analysis. To characterize each stockpile, the discrete soil samples collected from stockpile SP-1 were subsequently combined by the laboratory (McC Campbell Analytical) into two four-point composite soil samples (one per cell) and the soil samples collected from stockpile SP-2 were combined into one four-point soil composite sample.

With Mr. Weston's approval, the soil stockpiles were covered with plastic sheeting and left on site pending analytical results. Disposal of the stockpiles is currently pending.

### **3.1 Chemical Analyses and Results**

The tank excavation and soil stockpile samples were placed in an iced cooler and transported to state of California certified McC Campbell Analytical, Inc. (McC Campbell), located in Pittsburg, California, for chemical analysis. In accordance with the tank removal permit, the three composited stockpile soil samples were chemically analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) by EPA Method 8015 modified, Oil & Grease (O&G) by EPA Method 9071B, 1,4-Dioxane by EPA Method 8260B, polychlorinated biphenyls (PCBs) by EPA Method 8082, volatile organic compounds (VOCs) by EPA Method 8260B, semi-VOCs by EPA Method 8270C, and cadmium, chromium, lead, nickel, and zinc (LUFT 5 metals) by EPA Method 6010C. Soil sample results are compiled in Tables 1, 2, and 3, below. The laboratory data sheets and chain-of-custody documentation are included in Appendix C.

**TABLE 1**

**Soil Sample Analytical Results, Petroleum Hydrocarbons, 1,4-Dioxane, and PCBs**  
**The Green on Park Place**  
**Dublin, California**  
*Concentrations in milligrams per Kilogram (mg/Kg)*

Location and Sample Number	Date Sampled	Sample Depth (feet)	TPHg <sup>1</sup>	TPHd <sup>2</sup>	O&G <sup>3</sup>	1,4-Dioxane <sup>4</sup>	PCBs <sup>5</sup>
<b>Soil Stockpiles</b>							
SP-1-A	10/2/08	2	1.4	25	<50 <sup>6</sup>	<0.02	<0.025
SP-1-B	10/2/08	2	38	590	170	<0.02	<0.025
SP-2	10/2/08	2	5.7	110	<50	<0.02	<0.025
<b>Tank Excavation</b>							
TK Exc 2'	10/2/08	2	<1.0	5.7	<50	<0.02	<0.025
TK Exc 4'	10/2/08	4	<1.0	<1.0	<50	<0.02	<0.025
TK Exc 6'	10/2/08	6	4.0	190	77	<0.02	<0.025
<b>Regulatory Standard Comparisons</b>							
<b>Commercial/Industrial-ESLs<sup>7</sup></b>			83	83	2500	0.0018	0.74
<b>Residential-ESLs<sup>8</sup></b>			83	83	370	0.0018	0.22

- TPHg<sup>1</sup> = Total Petroleum Hydrocarbons as gasoline by Method SW8015Cm. Compound reported as strongly aged gasoline or diesel fuel.
- TPHd<sup>2</sup> = Total Petroleum Hydrocarbons as diesel (Total Extractable Petroleum Hydrocarbons) by Method SW8015B. Compound reported as fuel oil and/or unmodified or weakly modified diesel.
- O&G<sup>3</sup> = Total Petroleum Hydrocarbons as Oil and Grease (Hexane Extractable Material with Silica Gel Treatment) by Method SW9071B.
- 1,4-Dioxane<sup>4</sup> = 1,4-Dioxane by Method SW8260B Purge and Trap, GC/MS Selective Ion Mode
- PCBs<sup>5</sup> = Polychlorinated Biphenyls Aroclors by Method SW8082.
- <50<sup>6</sup> = Compound not detected at indicated laboratory reporting limit.
- ESLs<sup>7</sup> = Environmental Screening Levels (mg/Kg) for commercial/industrial land use shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.
- ESLs<sup>8</sup> = Environmental Screening Levels (mg/Kg) for residential land use shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.

**TABLE 2**

**Soil Sample Analytical Results  
 Volatile Organic Compounds (VOCs) by Method SW8260B  
 and  
 Semi-VOCs (SVOCs) by Method SW8270C  
 The Green on Park Place  
 Dublin, California  
 Concentrations in milligrams per Kilogram (mg/Kg)**

Location and Sample Number	Date Sampled	Sample Depth (feet)	Naphthalene	1,2,4-Trimethyl benzene	2-Methyl naphthalene	Phenanthrene	Other VOCs	Other SVOCs
<b>Soil Stockpiles</b>								
SP-1-A	10/2/08	2	0.10	0.0071	<0.33 <sup>1</sup>	<0.33	ND <sup>2</sup>	ND <sup>3</sup>
SP-1-B	10/2/08	2	3.1	<0.005	15	1.7	ND	ND
SP-2	10/2/08	2	0.42	0.025	1.1	<0.33	ND	ND
<b>Tank Excavation</b>								
TK Exc 2'	10/2/08	2	0.041	<0.005	<0.33	<0.33	ND	ND
TK Exc 4'	10/2/08	4	0.0092	<0.005	<0.33	<0.33	ND	ND
TK Exc 6'	10/2/08	6	2.1	0.16	1.0	<0.33	ND	ND
<b>Regulatory Standard Comparisons</b>								
<b>Commercial/Industrial-ESLs<sup>4</sup></b>			2.8	NSL <sup>6</sup>	0.25	11	-	-
<b>Residential-ESLs<sup>5</sup></b>			1.3	NSL	0.25	11	-	-

- <0.33<sup>1</sup> = Compound not detected at indicated laboratory reporting limit.
- ND<sup>2</sup> = Note detected above laboratory reporting limit for VOCs by Method SW8260B.
- ND<sup>3</sup> = Note detected above laboratory reporting limit for SVOCs by Method SW8270C.
- ESLs<sup>4</sup> = Environmental Screening Levels (mg/Kg) for commercial/industrial land use Shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.
- ESLs<sup>5</sup> = Environmental Screening Levels (mg/Kg) for residential land use shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region.
- NSL<sup>6</sup> = No Screening Level Established.

**TABLE 3**

**Soil Sample Analytical Results, LUFT 5 Metals by Method 6010C**  
**The Green on Park Place**  
**Dublin, California**  
*Concentrations in milligrams per Kilogram (mg/Kg)*

Location and Sample Number	Date Sampled	Sample Depth (feet)	Cadmium	Chromium	Lead	Nickel	Zinc
Soil Stockpiles							
SP-1-A	10/2/08	2	<1.5 <sup>1</sup>	47	21	45	75
SP-1-B	10/2/08	2	<1.5	50	27	50	77
SP-2	10/2/08	2	<1.5	45	7.1	43	54
Tank Excavation							
TK Exc 2'	10/2/08	2	<1.5	44	7.6	42	56
TK Exc 4'	10/2/08	4	<1.5	41	5.9	36	51
TK Exc 6'	10/2/08	6	<1.5	44	8.1	40	70
<b>Regulatory Standard Comparisons</b>							
<b>Commercial/Industrial-ESLs<sup>2</sup></b>			7.4	NSL <sup>3</sup>	750	150	600
<b>Residential-ESLs<sup>4</sup></b>			1.7	NSL	200	150	600

- <1.5<sup>1</sup> = Compound not detected at indicated laboratory reporting limit.
- ESLs<sup>2</sup> = Environmental Screening Levels for commercial/industrial land use shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region. Metals in milligrams per Kilograms (mg/Kg).
- NSL<sup>3</sup> = No Screening Level for total chromium. Environmental Screening Levels for chromium III and chromium VI for commercial/industrial land use shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region is 750 and 8.0 mg/Kg, respectively.
- ESLs<sup>4</sup> = Environmental Screening Levels for residential land use shallow soil where water is a current of potential source of drinking water established by the California Regional Water Quality Control Board – San Francisco Bay Region. Metals in milligrams per Kilograms (mg/Kg).

Laboratory results of the UST and stockpile soil sampling indicated that TPHg, TPHd, O&G, naphthalene, 2-methylnaphthalene, 1,2,4-trimethylbenzene, and phenanthrene were detected in one or more of the soil samples collected. PCEs and 1,4-dioxane were not detected in any of the samples analyzed. Of the LUFT 5 metals analyzed, chromium, nickel, zinc, and lead were detected in each of the soil samples collected from UST excavation and soil stockpiles. The reported chromium, nickel, zinc, and lead concentrations detected are within expected ambient ranges. Cadmium was not present in any of soil samples submitted for laboratory analysis.



### **3.2 Comparison to Environmental Screening Levels**

UST Excavation: TPHd and 2-methylnaphthalene concentrations in the tank excavation at 6 feet below the floor of the excavation (approximately 12 feet below grade) exceeded the Regional Water Quality Control Board – San Francisco Bay Region (RWQCB), Tier 1 Environmental Screening Levels (ESLs) for both commercial and residential land use (also used for unrestricted land use), while naphthalene concentrations exceeded the ESL for residential/unrestricted land use.

Soil Stockpiles: TPHd, naphthalene, and 2-methylnaphthalene in stockpile SP-1 exceeded the ESLs for both commercial and residential/unrestricted land use as established by the RWQCB. Additionally, TPHd and 2-methylnaphthalene concentrations in stockpile SP-2 exceeded the ESLs for both commercial and residential/unrestricted land use.

#### **4 DISCUSSION AND CONCLUSIONS**

Field screening of the soil removed from the tank excavation, using a PID, indicated the presence of organic vapors ranging from 10 to 40 ppm. Additionally, petroleum odors were detected emanating from the tank excavation.

Laboratory analyses of the verification soil samples collected depths of 2, 4, and 6 feet beneath the bottom of the excavation floor, near the center of the tank pit, and the stockpile composited soil samples collected from stockpiles SP-1 and SP-2 indicate that petroleum hydrocarbons, VOCs, semi-VOCs, and LUFT 5 metals were present in at least one of the soil samples collected. As indicated in Tables 1 and 2, TPHd and 2-methylnaphthalene concentrations in the tank excavation at 6 feet below the floor of the excavation exceeded the RWQCB ESLs for both commercial and residential/unrestricted land use, while naphthalene concentrations exceeded the ESL for residential/unrestricted land use. Additionally, TPHd, naphthalene, and 2-methylnaphthalene in stockpile SP-1 exceeded the ESLs for both commercial and residential/unrestricted land use and TPHd and 2-methylnaphthalene concentrations in stockpile SP-2 exceeded the ESLs for both commercial and residential/unrestricted land use, indicating that the stockpiled soil is not suitable for reuse at the site.

As illustrated in Table 3, cadmium was not detected in any of the soil samples analyzed. Additionally, the concentrations of nickel, zinc, and lead detected did not exceed their respective ESLs or expected background concentrations.

Based on the observations made during the removal of the UST and the chemical results of tank pit and stockpile soil sampling, a release of hydrocarbons has occurred at the site. On October 8, 2008, on behalf of Stockbridge/BHV Emerald Place Land Co., LLC, ADR submitted a UST Unauthorized Release (Leak)/Contamination Site Report to Mr. Weston, ACDEH (Appendix D). Based on the chemical results of the soil samples, Mr. Weston indicated that the site was going to be transferred to the ACDEH Local Oversight Program (LOP), the group that handles leaking UST sites.

Disposal of the stockpiled soil is currently pending.

## **5 LIMITATIONS**

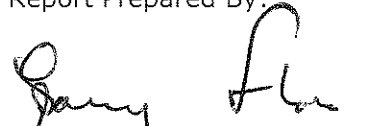
The conclusions presented in this report are professional opinions based solely upon the Scope of Services described in this report. They are intended exclusively for the use of Stockbridge/BHV Emerald Place Land Co., LLP. The Scope of Services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any re-use of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user. It should be recognized that this study was not intended to be a definitive investigation of potential contamination at the subject Property. Given that the Scope of Services for this investigation was limited and that additional exploratory borings were not drilled, it is possible that currently unrecognized contamination might exist at the site.

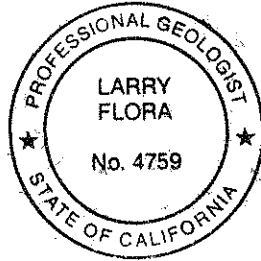
Services performed by ADR were conducted in a manner consistent with that of the same care and skill ordinarily exercised by members of the same profession currently practicing in the same locality under the same conditions. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental liabilities on a particular site. Therefore, ADR cannot act as insurers and cannot "certify" that a site is free of environmental contamination. No expressed or implied representation or warranty is included or intended in our reports except that our services were performed, within the limits prescribed by our client, with the customary thoroughness and competence of our profession.

**6 SIGNATURE PAGE**

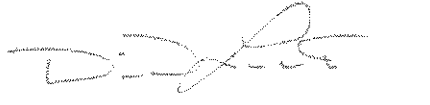
This report was prepared in accordance with generally accepted environmental practices and procedures, employing the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area, as of the date of this report.

Report Prepared By:

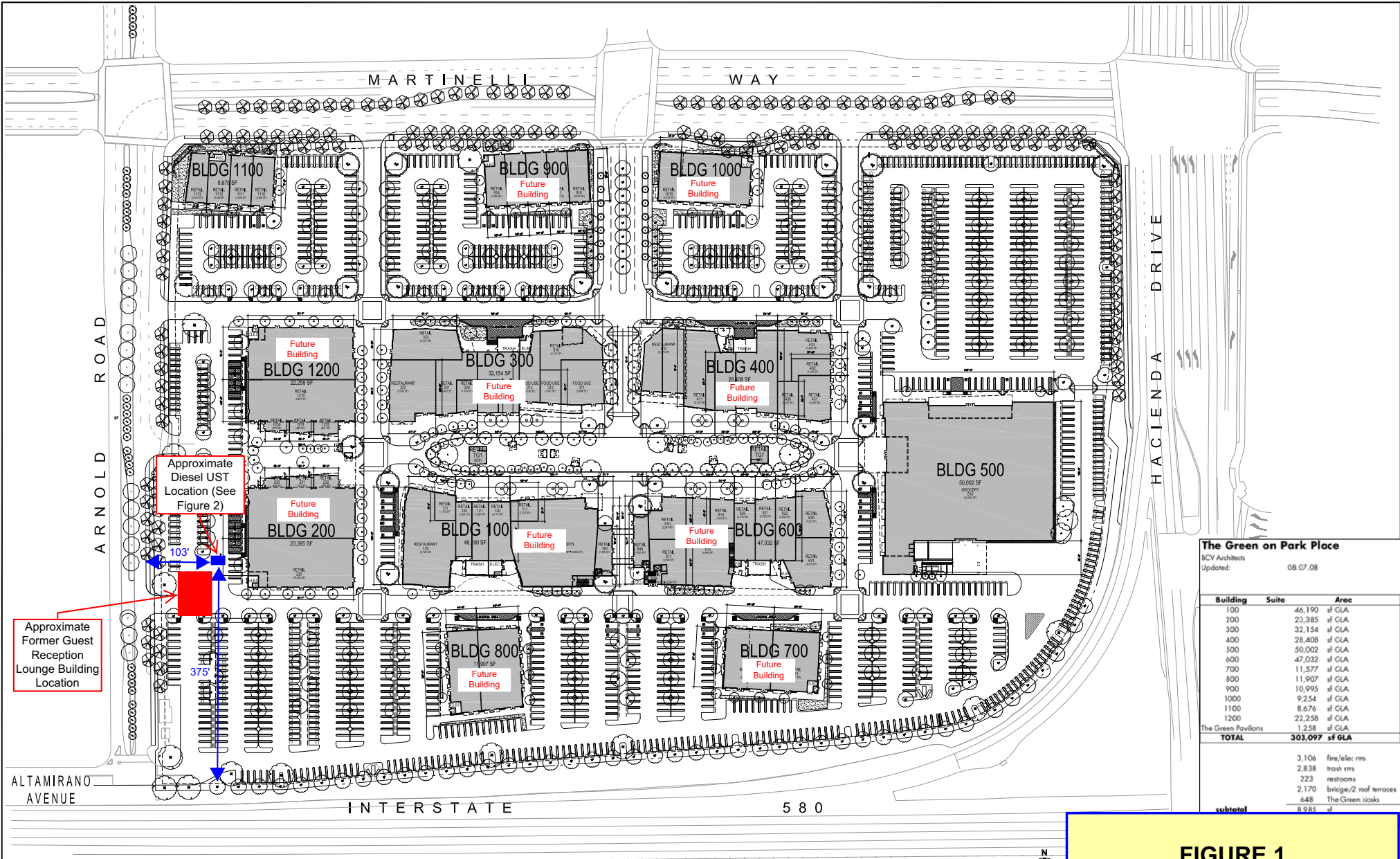
  
\_\_\_\_\_  
Larry A. Flora, P.G. #4759  
Geologist



Report Reviewed By:

  
\_\_\_\_\_  
David C. Lambert, REA #06437  
Principal

## **FIGURES**



**The Green on Park Place**  
 BCV Architects  
 Updated: 08.07.08

Building	Suite	Area
100		46,190 sf GLA
200		23,385 sf GLA
300		32,154 sf GLA
400		28,408 sf GLA
500		50,002 sf GLA
600		47,032 sf GLA
700		11,577 sf GLA
800		11,907 sf GLA
900		10,995 sf GLA
1000		9,254 sf GLA
1100		8,676 sf GLA
1200		22,258 sf GLA
The Green Pavilions		1,258 sf GLA
<b>TOTAL</b>		<b>303,097 sf GLA</b>

3,106	fire/elec rms
2,838	trash rms
223	restrooms
2,170	bridge/2 roof terraces
648	The Green visks
<b>subtotal</b>	<b>8,985 sf</b>

**DEMISED LEASING PLAN  
 SITE PLAN**  
 1" = 50'-0"

**FIGURE 1**  
**UST LOCATION SITE PLAN**  
 BHV101-08-011-CA  
 October 2008  
**ADR Environmental Group, Inc.**

**BCV**  
 ARCHITECTS  
 107 STOCKTON STREET, 4TH FL.,  
 SAN FRANCISCO, CA 94133  
 T 415.398.0100 F 415.398.0101

**STOCKBRIDGE**  
 ARCHITECTS  
 4 EMERSON CENTER  
 SUITE 200  
 SAN FRANCISCO, CA 94111  
 T 415.695.3300

**BLAKE HUNT**  
 ARCHITECTS  
 411 HAYWARD AVENUE  
 SUITE 200  
 SAN FRANCISCO, CA 94102  
 T 415.241.2700 F 415.241.2701

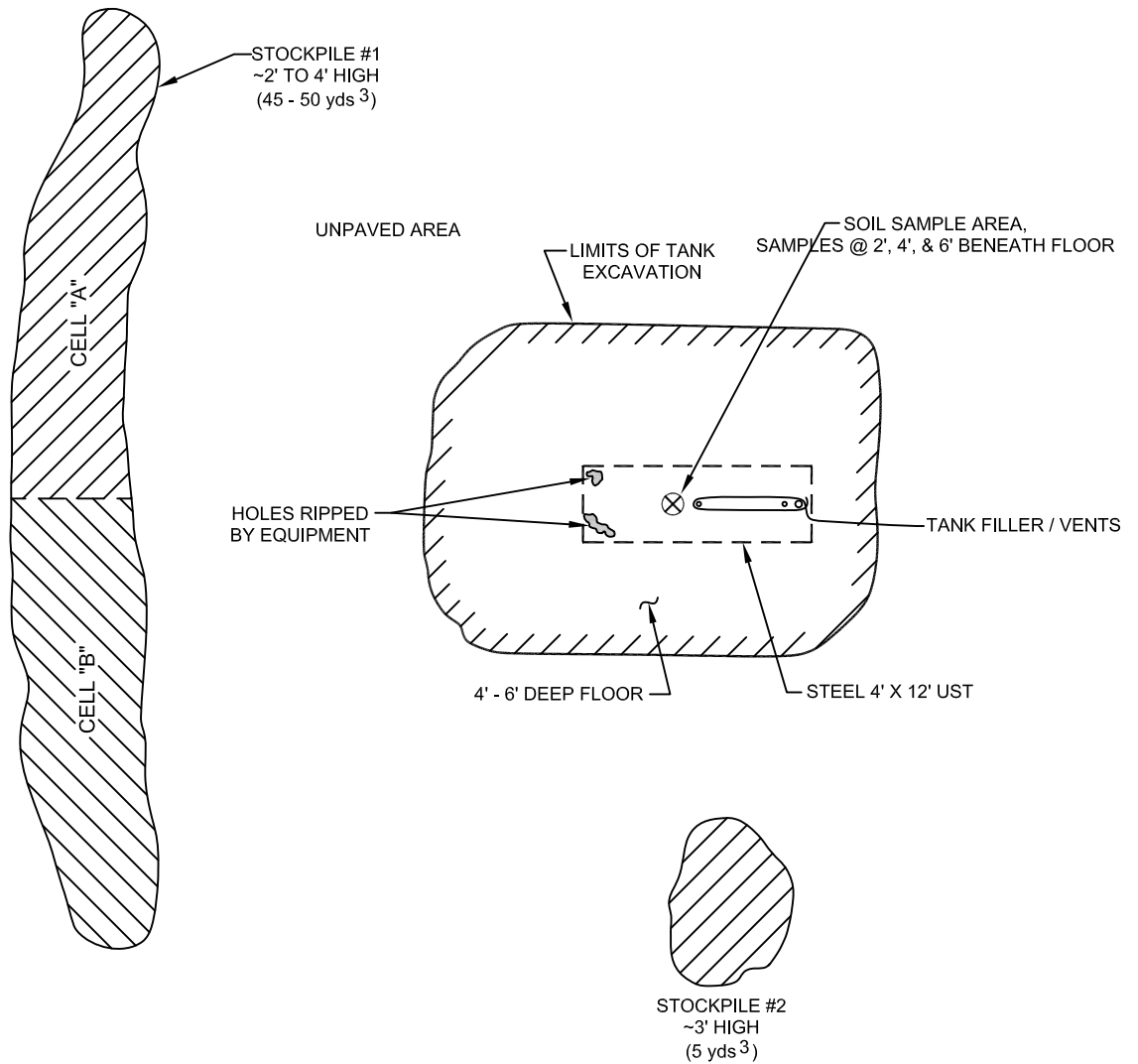
**JMI**  
 WEISS, INC.  
 100 SOUTH ALVARADO BOULEVARD  
 SUITE 700  
 SAN FRANCISCO, CA 94133  
 T 415.398.4555 F 415.398.4553

**SMITH+SMITH**  
 ARCHITECTS  
 1000 MARKET STREET  
 8TH FLOOR, PLANNING  
 DEPARTMENT  
 SAN FRANCISCO, CA 94102  
 T 415.398.5200 F 415.398.5200

**thegreen**  
 ON PARK PLACE



FILE NAME: P:\070804\_The\_Green\Visuals\Utility\SP-2008-08-06.dwg • Thursday, 07 August 2008 at 1:27pm by: D000001



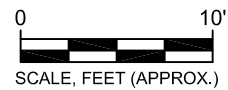
TANK PIT SOIL LITHOLOGY

GROUND SURFACE TO 5' = CLAYEY SAND-Olive Brown, very fine grained, moist, medium dense.

5' TO 12' = SANDY CLAY-As above; very moist

LEGEND

⊗ TANK EXCAVATION SOIL SAMPLE LOCATION BY ADR, 10-02-08



**ADR Environmental Group, Inc.**  
 Due Diligence and Risk Management  
 Services Nationwide  
 (888) 622-3734

**UNDERGROUND STORAGE TANK EXCAVATION**  
 The Green on Park Place  
 Dublin, California

Project Number: BHV1 01-08-011 CA

Date: October 2008

Figure: 2

BH1V-11-F2 10/27/08 PYM

**APPENDIX A**  
**PHOTOGRAPHS**

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Picture 1 - UST during prior to removal



Picture 4 - UST after removal



Picture 2 - UST prior to removal



Picture 5 - UST after removal



Picture 3 - UST prior to removal



Picture 6 - UST loaded on truck



Picture 7 – UST loaded on truck, wrapped in plastic



Picture 8 – UST excavation



Picture 9 – Stockpiles

**APPENDIX B**

**COPIES OF HAZARDOUS WASTE MANIFESTS  
AND CERTIFICATE OF TANK DESTRUCTION**

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <i>MAC 002 634 732</i>		2. Page 1 of <i>1</i>		3. Emergency Response Phone <i>1-800-424-4300</i>		4. Manifest Tracking Number <b>004478440 JJK</b>					
		5. Generator's Name and Mailing Address <i>Stockbridge (Blue Hill Venture) 510 MARSHALL WAY, DUBLIN, CA 94568</i> <i>411 HARTZ AVE 200</i> <i>AMARITE CA 94526 925-314-2700</i>						Generator's Site Address (if different than mailing address)					
<b>GENERATOR</b>		6. Transporter 1 Company Name <i>EVERGREEN ENVIRONMENTAL SERVICES</i>						U.S. EPA ID Number <i>CA0802413202</i>					
		7. Transporter 2 Company Name						U.S. EPA ID Number					
<b>DESIGNATED FACILITY</b>		8. Designated Facility Name and Site Address <i>EVERGREEN OIL, INC.</i> <i>8880 SMITH AVENUE</i> <i>NEWARK CA 94600</i> <i>510-708-4400</i>						U.S. EPA ID Number <i>CA0760067418</i>					
		Facility's Phone:											
<b>GENERATOR</b>		9a. HM				9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
						No.	Type						
		1.		<i>NON-FLAM HAZARDOUS WASTE LIQUID (WATER, DIESEL)</i>				<i>001</i>	<i>TT</i>	<i>915</i>	<i>6</i>	<i>253</i>	
		2.											
		3.											
4.													
14. Special Handling Instructions and Additional Information <i>PROFILE #</i> <i>INVOICE # 48052</i> <i>DOT 49 CFR 171 WEAR PROTECTIVE CLOTHING</i> <i>SALES ORDER #</i>													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Offeror's Printed/Typed Name						Signature <i>Brian Lopez</i>			Month Day Year <i>10 01 08</i>				
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____													
17. Transporter Acknowledgment of Receipt of Materials													
Transporter 1 Printed/Typed Name <i>Tina Olson</i>						Signature <i>Tina Olson</i>			Month Day Year <i>10 01 08</i>				
Transporter 2 Printed/Typed Name						Signature			Month Day Year				
18. Discrepancy													
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
Manifest Reference Number:													
18b. Alternate Facility (or Generator) U.S. EPA ID Number													
Facility's Phone:													
18c. Signature of Alternate Facility (or Generator) Month Day Year													
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
1.			2.			3.			4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a													
Printed/Typed Name						Signature			Month Day Year				



# Evergreen Environmental Services

dedicated to the protection of the environment

## WORK ORDER/SERVICE AGREEMENT

### No 480521

To schedule a pickup, call  
**800-596-9455**

Send payment to:

Sales Order # \_\_\_\_\_

6880 Smith Ave., Newark, CA EPA# CAD982413262  
16540 S. San Pedro St., Carson, CA EPA# CAD982413262

Evergreen Oil, Inc.  
P.O. BOX 30517

Los Angeles, CA 90030-0517

Date: 12/1/08

### GENERATOR/JOB LOCATION

### BILLING INFORMATION

NAME <u>Stuck bridge</u>				NAME <u>JCPMA Corporation</u>				CASH <input type="checkbox"/> CHECK <input type="checkbox"/>	
ADDRESS <u>5100 MacArthur Way</u>				ADDRESS <u>1205 Montrose Ave</u>				#	
CITY <u>Nubia</u> STATE <u>CA</u> ZIP <u>94508</u> CO. <u>CA</u>				CITY <u>Mountain View</u> STATE <u>CA</u> ZIP <u>94038</u> CO. <u>CA</u>				CUSTOMER CODE NO. <u>FEA1104</u>	
PHONE NO. <u>(650) 823-7470</u>				PHONE NO. ( )		PROFILE NO.		CUSTOMER EPA ID NO. <u>CIC</u>	

PRODUCT	WASTE CODE	MANIFEST NUMBER	QUANTITY	UNITS	PRICE	AMOUNT
Used oil, Non-RCRA Hazardous Lubricating	CA221			Gal.		
Waste, Liquid Industrial	CA221			Gal.		
Used Automotive Antifreeze, Non-RCRA Hazardous Waste Liquid	CA134			Gal.		
RQ Waste Combustible Liquid, N.O.S. NA 1993 III (Oil contaminated with halogens)	CA221 F001/F002			Gal.		
Oil & Water, Non-RCRA Hazardous Waste Liquid	CA221	<u>00447844011900</u>		Gal.		
Waste Solids and Sludges			<u>15</u>	Gal.		
Wash Out			<u>1</u>	Each		
Drained Used Oil Filters				Drum		
Non-RCRA Hazardous Waste Solids (oily debris)	CA223			Drum		
Empty Drums				Drum		
Transportation			<u>4</u>	Hrs.		
Non Hazardous Water				Gal.		
Glycol Bulk 50/50				Gal.		
Glycol Bulk Conc.				Gal.		
TEST: <input type="checkbox"/> Clor D Tech 4000 _____ ppm <input type="checkbox"/> Clor D Tech 1000 <input type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Halogen Detector/Flame Test <input type="checkbox"/> Pass <input type="checkbox"/> Fail						
Field Service Work Description:						Total Charges
Other:						
Other:						
Vacuum Services Time						
Out of Yard _____ On Site _____ Off Site _____ Off Load Start _____ Off Load End _____ Return to Yard _____						

### TSDF

Consolidated Manifest

- |  |  |   |   |   |
|--|--|---|---|---|
| <input type="checkbox"/> Evergreen Oil, Inc.<br>6880 Smith Ave.<br>Newark, CA 94560<br>CAD980887418    | <input type="checkbox"/> Evergreen Env. Svc.<br>Road 30B<br>Davis, CA 95616<br>CAD982446874                    | <input type="checkbox"/> Evergreen Env. Svc.<br>4139 N. Valentine<br>Fresno, CA 93722<br>CAD982446882 | <input type="checkbox"/> AJS Filter<br>15131 Clark Ave.<br>Industry, CA 91745<br>CAD000097432 | <input type="checkbox"/> _____<br>_____<br>_____  |
| <input type="checkbox"/> Evergreen Env. Svc.<br>16604 S. San Pedro<br>Carson, CA 90746<br>CAD981696420 | <input type="checkbox"/> Evergreen Env. Svc.<br>745 A West Betteravia<br>Santa Maria, CA 93454<br>CAD982446858 | <input type="checkbox"/> CFR<br>944 E. Slauson Ave.<br>Los Angeles, CA 90011<br>CAL000110021          | <input type="checkbox"/> CFR<br>33210 Western<br>Union City, CA 94587<br>CAL000091507         | <input type="checkbox"/> Greenleaf Env. Svc.<br>3474 Toyon Circle<br>Valley Springs, CA 95352<br>CAL000214411 |

Source:  Collection Station  Government  
 Marine  Agricultural  Industrial

Generator certifies that it has established a program to reduce the volume or quantity & toxicity of the hazardous waste to the degree determined by generator to be economically practicable.

**I hereby certify that I have read and have the authority to bind the above listed generator to the terms on the reverse side of this form.**

Retain sample # \_\_\_\_\_

### IMPORTANT NOTICE REGARDING THE DISPOSITION OF YOUR OIL.

Per California Health and Safety Code Section 25250.9, Evergreen hereby advises customer that customer's shipment of used oil may be transported to a facility that is required to comply with federal regulations applicable to management of used oil, but that is not required to comply with the more stringent requirements applicable to hazardous waste management facilities. California facilities that handle or process used oil are required to meet those more stringent requirements, and some out-of-state facilities that process used oil also meet those requirements. These include more stringent leak detection and prevention requirements, engineering certifications of tank integrity, and financial assurances for closure and accidental releases. It is lawful to send used oil to out-of-state facilities that comply only with federal used oil management standards and not these more stringent requirements. This notification is for information purposes only.

Driver Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Route # \_\_\_\_\_ Date \_\_\_\_\_  
 Generator's Signature \_\_\_\_\_ Print Name \_\_\_\_\_ Date \_\_\_\_\_

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CAC002834702		2. Page 1 of 1		3. Emergency Response Phone 800-321-5479		4. Manifest Tracking Number <b>004090234 JJK</b>				
		5. Generator's Name and Mailing Address STOCKBRIDGE BIV EMERALD PLACE LAND CO LLC 300 RAILROAD AVENUE # 200 RICHMOND, CA 94806 US Generator's Phone: 925-214-1700						Generator's Site Address (if different than mailing address) APN 086-0039-002 DUBLIN, CA 94568 US				
6. Transporter 1 Company Name Ecology Control Industries						U.S. EPA ID Number CAD000000010						
7. Transporter 2 Company Name						U.S. EPA ID Number						
8. Designated Facility Name and Site Address ECOLOGV CONTROL INDUSTRIES 355 PARK BOULEVARD RICHMOND, CA 94801 Facility's Phone: 510-208-1100						U.S. EPA ID Number CAD000000010						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		1. NON-PCMA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)				No.	Type	1500	P	512		
		2.						0				
		3.						0				
		4.						0				
14. Special Handling Instructions and Additional Information QTY 1 EMPTY STORAGE TANK TANK # 93700 ECL JOB # 5713747 WEAR PROPER PPE WHEN HANDLING WEIGHTS AND VOLUMES ARE APPROXIMATE												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offoror's Printed/Typed Name						Signature			Month Day Year			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:												
17. Transporter Acknowledgment of Receipt of Materials												
Transporter 1 Printed/Typed Name						Signature			Month Day Year			
Transporter 2 Printed/Typed Name						Signature			Month Day Year			
18. Discrepancy												
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection												
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number												
Facility's Phone:						U.S. EPA ID Number						
18c. Signature of Alternate Facility (or Generator) Month Day Year												
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.			2.			3.			4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name						Signature			Month Day Year			

## TRANSPORTATION SERVICE ORDER

SERVICE ORDER # **393419**

52T2744

DATE: 10-2-08

CUSTOMER  
DRIVER  
SERVICES

Name: FERMA Job Location: \_\_\_\_\_  
 Address (BILLING): \_\_\_\_\_ City: Dublin CA Zip: 94568  
 Ordered by: J. Wilcox Company: \_\_\_\_\_ P.O. #: \_\_\_\_\_  
 Name (PRINT): J. Webster Signed: T  
 Truck#: 12051 Trailer #: \_\_\_\_\_ Size/Type: 24  
 Services performed: Pick up tank # 33789

TIME

MANIFEST #: # <u>004090234</u>	DISPOSAL #: # <u>ECIR</u>	Start: <u>12</u> <sup>AM</sup> Stop: _____ <sup>AM</sup> <sub>PM</sub> <sub>PM</sub>	Gross Time: _____ Hrs.
# _____	# _____	MEALS: Start: _____ <sup>AM</sup> Stop: _____ <sup>AM</sup> <sub>PM</sub> <sub>PM</sub>	Less: _____ Hrs.
#Loads: _____ Qty: _____		Other Time: _____ Add / Deduct	Total: _____ Hrs.
BBL: _____ Gal: _____ Tons: _____ Yards: _____			

SITE

Time In: 1:00 Time In: \_\_\_\_\_ Time In: \_\_\_\_\_ Stop Miles: \_\_\_\_\_  
 Time Out: 2:30 Time Out: \_\_\_\_\_ Time Out: \_\_\_\_\_ Start Miles: \_\_\_\_\_  
 Miles Driven: \_\_\_\_\_

DESCRIPTION

	QTY.	U.O.M.	RATE	EXT.		QTY.	U.O.M.	RATE	EXT.
Vacuum Truck					Disposal				
End Dump					Washout				
Roll-off					Roper Pump				
Flat Bed					Bin Liner				
Tank Mover					Surcharge				
Driver Relief									
Subsistence									

Authorized & Approved by: [Signature] Title: 10-2-08

TOTAL CHARGES: \$

If invoice is not paid within 30 days, interest shall commence accruing at 1.5% per month. Should suit be commenced to collect any portion of this invoice, Ecology Control Industries shall be entitled to any costs deemed reasonable by the court, including attorney fees.

**APPENDIX C**

**TANK EXCAVATION AND STOCKPILE SOIL SAMPLE  
ANALYTICAL REPORTS**

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**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

ADR Environmental Group 1760 Creekside Oaks Dr, #120 Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Reported: 10/10/08
		Date Completed: 10/10/08

**WorkOrder: 0810055**

October 10, 2008

Dear David:

Enclosed within are:

- 1) The results of the 6 analyzed samples from your project: **#BHV1 01-08-011 CA; Dublin,**
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius  
Laboratory Manager  
McC Campbell Analytical, Inc.



# McC Campbell Analytical, Inc.



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 0810055

ClientCode: ADRS

WriteOn   
  EDF   
  Excel   
  Fax   
 Email   
 HardCopy   
 ThirdParty   
 J-flag

<b>Report to:</b>	David Lambert	Email: dlambert@adreg.com	<b>Bill to:</b>	Accounts Payable	<b>Requested TAT:</b>	<b>5 days</b>
	ADR Environmental Group	cc:		ADR Environmental Group	<b>Date Received:</b>	<b>10/02/2008</b>
	1760 Creekside Oaks Dr, #120	PO:		1760 Creekside Oaks Dr, #120	<b>Date Printed:</b>	<b>10/03/2008</b>
	Sacramento, CA 95833-3642	ProjectNo: #BHV1 01-08-011 CA; Dublin		Sacramento, CA 95833-3642		
	(916) 921-0600    FAX (916) 405-3519					

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0810055-001	TK Exc 2'	Soil	10/2/2008 13:30	<input type="checkbox"/>	A	B	A	B	B	B	B	B				
0810055-002	TK Exc 4'	Soil	10/2/2008 13:30	<input type="checkbox"/>	A	B	A	B	B	B	B	B				
0810055-003	TK Exc 6'	Soil	10/2/2008 13:35	<input type="checkbox"/>	A	B	A	B	B	B	B	B				
0810055-004	SP 1-A	Soil	10/2/2008 12:30	<input type="checkbox"/>	A	B	A	B	B	B	B	B				
0810055-005	SP 1-B	Soil	10/2/2008 12:30	<input type="checkbox"/>	A	B	A	B	B	B	B	B				
0810055-006	SP2	Soil	10/2/2008 14:00	<input type="checkbox"/>	A	B	A	B	B	B	B	B				

**Test Legend:**

1	1,4-DIOXANE_ENCORE	2	8082A_PCB_S	3	8260B+7OXY_ENC	4	8270D_S	5	9071B_SG_S
6	G-MBTEX_S	7	LUFT_S	8		9		10	
11		12							

The following SampID's: 001B, 002B, 003B, 004B, 005B, 006B contain testgroup.

**Prepared by: Kimberly Burks**

**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.



### Sample Receipt Checklist

Client Name: **ADR Environmental Group**

Date and Time Received: **10/2/2008 4:23:53 PM**

Project Name: **#BHV1 01-08-011 CA; Dublin**

Checklist completed and reviewed by: **Kimberly Burks**

WorkOrder N°: **0810055** Matrix Soil

Carrier: Client Drop-In

#### Chain of Custody (COC) Information

- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Sample IDs noted by Client on COC? Yes  No
- Date and Time of collection noted by Client on COC? Yes  No
- Sampler's name noted on COC? Yes  No

#### Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes  No  NA
- Shipping container/cooler in good condition? Yes  No
- Samples in proper containers/bottles? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No

#### Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes  No
- Container/Temp Blank temperature Cooler Temp: 7.8°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes  No  No VOA vials submitted
- Sample labels checked for correct preservation? Yes  No
- TTLC Metal - pH acceptable upon receipt (pH<2)? Yes  No  NA
- Samples Received on Ice? Yes  No

(Ice Type: WET ICE )

\* NOTE: If the "No" box is checked, see comments below.

-----

Client contacted:

Date contacted:

Contacted by:

Comments:





# McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
Telephone: 877-252-9262 Fax: 925-252-9269

ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed: 10/06/08-10/09/08

### Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

Extraction Method: SW3550C

Analytical Method: SW8082

Work Order: 0810055

Lab ID	0810055-001B	0810055-002B	0810055-003B	0810055-004B	Reporting Limit for DF =1	
Client ID	TK Exc 2'	TK Exc 4'	TK Exc 6'	SP 1-A		
Matrix	S	S	S	S		
DF	1	1	1	1		

Compound	Concentration				mg/kg	ug/L
Aroclor1016	ND	ND	ND	ND	0.025	NA
Aroclor1221	ND	ND	ND	ND	0.025	NA
Aroclor1232	ND	ND	ND	ND	0.025	NA
Aroclor1242	ND	ND	ND	ND	0.025	NA
Aroclor1248	ND	ND	ND	ND	0.025	NA
Aroclor1254	ND	ND	ND	ND	0.025	NA
Aroclor1260	ND	ND	ND	ND	0.025	NA
PCBs, total	ND	ND	ND	ND	0.025	NA

### Surrogate Recoveries (%)

%SS:	125	125	126	93	
Comments				h4	

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup



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Web: www.mcccampbell.com E-mail: main@mcccampbell.com  
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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed: 10/06/08-10/09/08

### Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

Extraction Method: SW3550C

Analytical Method: SW8082

Work Order: 0810055

Lab ID	0810055-005B	0810055-006B			Reporting Limit for DF =1	
Client ID	SP 1-B	SP2				
Matrix	S	S				
DF	1	1				S

Compound	Concentration				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
Aroclor1232	ND	ND			0.025	NA
Aroclor1242	ND	ND			0.025	NA
Aroclor1248	ND	ND			0.025	NA
Aroclor1254	ND	ND			0.025	NA
Aroclor1260	ND	ND			0.025	NA
PCBs, total	ND	ND			0.025	NA

### Surrogate Recoveries (%)

%SS:	87	127			
Comments	h4				

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

h4) sulfuric acid permanganate (EPA 3665) cleanup



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/08/08

## Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]\*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0810055

Lab ID	0810055-001A
Client ID	TK Exc 2'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.048	1.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.0048	1.0	0.005
Benzene	ND<0.0048	1.0	0.005	Bromobenzene	ND<0.0048	1.0	0.005
Bromochloromethane	ND<0.0048	1.0	0.005	Bromodichloromethane	ND<0.0048	1.0	0.005
Bromoform	ND<0.0048	1.0	0.005	Bromomethane	ND<0.0048	1.0	0.005
2-Butanone (MEK)	ND<0.019	1.0	0.02	t-Butyl alcohol (TBA)	ND<0.048	1.0	0.05
n-Butyl benzene	ND<0.0048	1.0	0.005	sec-Butyl benzene	ND<0.0048	1.0	0.005
tert-Butyl benzene	ND<0.0048	1.0	0.005	Carbon Disulfide	ND<0.0048	1.0	0.005
Carbon Tetrachloride	ND<0.0048	1.0	0.005	Chlorobenzene	ND<0.0048	1.0	0.005
Chloroethane	ND<0.0048	1.0	0.005	Chloroform	ND<0.0048	1.0	0.005
Chloromethane	ND<0.0048	1.0	0.005	2-Chlorotoluene	ND<0.0048	1.0	0.005
4-Chlorotoluene	ND<0.0048	1.0	0.005	Dibromochloromethane	ND<0.0048	1.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.0039	1.0	0.004	1,2-Dibromoethane (EDB)	ND<0.0039	1.0	0.004
Dibromomethane	ND<0.0048	1.0	0.005	1,2-Dichlorobenzene	ND<0.0048	1.0	0.005
1,3-Dichlorobenzene	ND<0.0048	1.0	0.005	1,4-Dichlorobenzene	ND<0.0048	1.0	0.005
Dichlorodifluoromethane	ND<0.0048	1.0	0.005	1,1-Dichloroethane	ND<0.0048	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.0039	1.0	0.004	1,1-Dichloroethene	ND<0.0048	1.0	0.005
cis-1,2-Dichloroethene	ND<0.0048	1.0	0.005	trans-1,2-Dichloroethene	ND<0.0048	1.0	0.005
1,2-Dichloropropane	ND<0.0048	1.0	0.005	1,3-Dichloropropane	ND<0.0048	1.0	0.005
2,2-Dichloropropane	ND<0.0048	1.0	0.005	1,1-Dichloropropene	ND<0.0048	1.0	0.005
cis-1,3-Dichloropropene	ND<0.0048	1.0	0.005	trans-1,3-Dichloropropene	ND<0.0048	1.0	0.005
Diisopropyl ether (DIPE)	ND<0.0048	1.0	0.005	Ethanol	ND<0.48	1.0	0.5
Ethylbenzene	ND<0.0048	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.0048	1.0	0.005
Freon 113	ND<0.097	1.0	0.1	Hexachlorobutadiene	ND<0.0048	1.0	0.005
Hexachloroethane	ND<0.0048	1.0	0.005	2-Hexanone	ND<0.0048	1.0	0.005
Isopropylbenzene	ND<0.0048	1.0	0.005	4-Isopropyl toluene	ND<0.0048	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND<0.0048	1.0	0.005	Methylene chloride	ND<0.0048	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.0048	1.0	0.005	Naphthalene	0.041	1.0	0.005
n-Propyl benzene	ND<0.0048	1.0	0.005	Styrene	ND<0.0048	1.0	0.005
1,1,1,2-Tetrachloroethane	ND<0.0048	1.0	0.005	1,1,2,2-Tetrachloroethane	ND<0.0048	1.0	0.005
Tetrachloroethene	ND<0.0048	1.0	0.005	Toluene	ND<0.0048	1.0	0.005
1,2,3-Trichlorobenzene	ND<0.0048	1.0	0.005	1,2,4-Trichlorobenzene	ND<0.0048	1.0	0.005
1,1,1-Trichloroethane	ND<0.0048	1.0	0.005	1,1,2-Trichloroethane	ND<0.0048	1.0	0.005
Trichloroethene	ND<0.0048	1.0	0.005	Trichlorofluoromethane	ND<0.0048	1.0	0.005
1,2,3-Trichloropropane	ND<0.0048	1.0	0.005	1,2,4-Trimethylbenzene	ND<0.0048	1.0	0.005
1,3,5-Trimethylbenzene	ND<0.0048	1.0	0.005	Vinyl Chloride	ND<0.0048	1.0	0.005
Xvlens	ND<0.0048	1.0	0.005				

### Surrogate Recoveries (%)

%SS1:	84	%SS2:	82
%SS3:	81		

Comments: a9

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight





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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/08/08

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]\*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0810055

Lab ID	0810055-002A
Client ID	TK Exc 4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.045	1.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.0045	1.0	0.005
Benzene	ND<0.0045	1.0	0.005	Bromobenzene	ND<0.0045	1.0	0.005
Bromochloromethane	ND<0.0045	1.0	0.005	Bromodichloromethane	ND<0.0045	1.0	0.005
Bromoform	ND<0.0045	1.0	0.005	Bromomethane	ND<0.0045	1.0	0.005
2-Butanone (MEK)	ND<0.018	1.0	0.02	t-Butyl alcohol (TBA)	ND<0.045	1.0	0.05
n-Butyl benzene	ND<0.0045	1.0	0.005	sec-Butyl benzene	ND<0.0045	1.0	0.005
tert-Butyl benzene	ND<0.0045	1.0	0.005	Carbon Disulfide	ND<0.0045	1.0	0.005
Carbon Tetrachloride	ND<0.0045	1.0	0.005	Chlorobenzene	ND<0.0045	1.0	0.005
Chloroethane	ND<0.0045	1.0	0.005	Chloroform	ND<0.0045	1.0	0.005
Chloromethane	ND<0.0045	1.0	0.005	2-Chlorotoluene	ND<0.0045	1.0	0.005
4-Chlorotoluene	ND<0.0045	1.0	0.005	Dibromochloromethane	ND<0.0045	1.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.0036	1.0	0.004	1,2-Dibromoethane (EDB)	ND<0.0036	1.0	0.004
Dibromomethane	ND<0.0045	1.0	0.005	1,2-Dichlorobenzene	ND<0.0045	1.0	0.005
1,3-Dichlorobenzene	ND<0.0045	1.0	0.005	1,4-Dichlorobenzene	ND<0.0045	1.0	0.005
Dichlorodifluoromethane	ND<0.0045	1.0	0.005	1,1-Dichloroethane	ND<0.0045	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.0036	1.0	0.004	1,1-Dichloroethene	ND<0.0045	1.0	0.005
cis-1,2-Dichloroethene	ND<0.0045	1.0	0.005	trans-1,2-Dichloroethene	ND<0.0045	1.0	0.005
1,2-Dichloropropane	ND<0.0045	1.0	0.005	1,3-Dichloropropane	ND<0.0045	1.0	0.005
2,2-Dichloropropane	ND<0.0045	1.0	0.005	1,1-Dichloropropene	ND<0.0045	1.0	0.005
cis-1,3-Dichloropropene	ND<0.0045	1.0	0.005	trans-1,3-Dichloropropene	ND<0.0045	1.0	0.005
Diisopropyl ether (DIPE)	ND<0.0045	1.0	0.005	Ethanol	ND<0.45	1.0	0.5
Ethylbenzene	ND<0.0045	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.0045	1.0	0.005
Freon 113	ND<0.091	1.0	0.1	Hexachlorobutadiene	ND<0.0045	1.0	0.005
Hexachloroethane	ND<0.0045	1.0	0.005	2-Hexanone	ND<0.0045	1.0	0.005
Isopropylbenzene	ND<0.0045	1.0	0.005	4-Isopropyl toluene	ND<0.0045	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND<0.0045	1.0	0.005	Methylene chloride	ND<0.0045	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.0045	1.0	0.005	Naphthalene	0.0092	1.0	0.005
n-Propyl benzene	ND<0.0045	1.0	0.005	Styrene	ND<0.0045	1.0	0.005
1,1,1,2-Tetrachloroethane	ND<0.0045	1.0	0.005	1,1,2,2-Tetrachloroethane	ND<0.0045	1.0	0.005
Tetrachloroethene	ND<0.0045	1.0	0.005	Toluene	ND<0.0045	1.0	0.005
1,2,3-Trichlorobenzene	ND<0.0045	1.0	0.005	1,2,4-Trichlorobenzene	ND<0.0045	1.0	0.005
1,1,1-Trichloroethane	ND<0.0045	1.0	0.005	1,1,2-Trichloroethane	ND<0.0045	1.0	0.005
Trichloroethene	ND<0.0045	1.0	0.005	Trichlorofluoromethane	ND<0.0045	1.0	0.005
1,2,3-Trichloropropane	ND<0.0045	1.0	0.005	1,2,4-Trimethylbenzene	ND<0.0045	1.0	0.005
1,3,5-Trimethylbenzene	ND<0.0045	1.0	0.005	Vinyl Chloride	ND<0.0045	1.0	0.005
Xvlenes	ND<0.0045	1.0	0.005				

#### Surrogate Recoveries (%)

%SS1:	78	%SS2:	77
%SS3:	70		

Comments: a9

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/08/08

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]\*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0810055

Lab ID	0810055-003A
Client ID	TK Exc 6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.94	20	0.05	tert-Amyl methyl ether (TAME)	ND<0.094	20	0.005
Benzene	ND<0.094	20	0.005	Bromobenzene	ND<0.094	20	0.005
Bromochloromethane	ND<0.094	20	0.005	Bromodichloromethane	ND<0.094	20	0.005
Bromoform	ND<0.094	20	0.005	Bromomethane	ND<0.094	20	0.005
2-Butanone (MEK)	ND<0.38	20	0.02	t-Butyl alcohol (TBA)	ND<0.94	20	0.05
n-Butyl benzene	ND<0.094	20	0.005	sec-Butyl benzene	ND<0.094	20	0.005
tert-Butyl benzene	ND<0.094	20	0.005	Carbon Disulfide	ND<0.094	20	0.005
Carbon Tetrachloride	ND<0.094	20	0.005	Chlorobenzene	ND<0.094	20	0.005
Chloroethane	ND<0.094	20	0.005	Chloroform	ND<0.094	20	0.005
Chloromethane	ND<0.094	20	0.005	2-Chlorotoluene	ND<0.094	20	0.005
4-Chlorotoluene	ND<0.094	20	0.005	Dibromochloromethane	ND<0.094	20	0.005
1,2-Dibromo-3-chloropropane	ND<0.075	20	0.004	1,2-Dibromoethane (EDB)	ND<0.075	20	0.004
Dibromomethane	ND<0.094	20	0.005	1,2-Dichlorobenzene	ND<0.094	20	0.005
1,3-Dichlorobenzene	ND<0.094	20	0.005	1,4-Dichlorobenzene	ND<0.094	20	0.005
Dichlorodifluoromethane	ND<0.094	20	0.005	1,1-Dichloroethane	ND<0.094	20	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.075	20	0.004	1,1-Dichloroethene	ND<0.094	20	0.005
cis-1,2-Dichloroethene	ND<0.094	20	0.005	trans-1,2-Dichloroethene	ND<0.094	20	0.005
1,2-Dichloropropane	ND<0.094	20	0.005	1,3-Dichloropropane	ND<0.094	20	0.005
2,2-Dichloropropane	ND<0.094	20	0.005	1,1-Dichloropropene	ND<0.094	20	0.005
cis-1,3-Dichloropropene	ND<0.094	20	0.005	trans-1,3-Dichloropropene	ND<0.094	20	0.005
Diisopropyl ether (DIPE)	ND<0.094	20	0.005	Ethanol	ND<9.4	20	0.5
Ethylbenzene	ND<0.094	20	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.094	20	0.005
Freon 113	ND<1.9	20	0.1	Hexachlorobutadiene	ND<0.094	20	0.005
Hexachloroethane	ND<0.094	20	0.005	2-Hexanone	ND<0.094	20	0.005
Isopropylbenzene	ND<0.094	20	0.005	4-Isopropyl toluene	ND<0.094	20	0.005
Methyl-t-butyl ether (MTBE)	ND<0.094	20	0.005	Methylene chloride	ND<0.094	20	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.094	20	0.005	Naphthalene	2.1	20	0.005
n-Propyl benzene	ND<0.094	20	0.005	Styrene	ND<0.094	20	0.005
1,1,1,2-Tetrachloroethane	ND<0.094	20	0.005	1,1,2,2-Tetrachloroethane	ND<0.094	20	0.005
Tetrachloroethene	ND<0.094	20	0.005	Toluene	ND<0.094	20	0.005
1,2,3-Trichlorobenzene	ND<0.094	20	0.005	1,2,4-Trichlorobenzene	ND<0.094	20	0.005
1,1,1-Trichloroethane	ND<0.094	20	0.005	1,1,2-Trichloroethane	ND<0.094	20	0.005
Trichloroethene	ND<0.094	20	0.005	Trichlorofluoromethane	ND<0.094	20	0.005
1,2,3-Trichloropropane	ND<0.094	20	0.005	1,2,4-Trimethylbenzene	0.16	20	0.005
1,3,5-Trimethylbenzene	ND<0.094	20	0.005	Vinyl Chloride	ND<0.094	20	0.005
Xylenes	ND<0.094	20	0.005				

#### Surrogate Recoveries (%)

%SS1:	86	%SS2:	73
%SS3:	---#		

Comments: a9

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/08/08

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]\*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0810055

Lab ID	0810055-004A
Client ID	SP 1-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethanol	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	0.10	1.0	0.005
n-Propyl benzene	ND	1.0	0.005	Styrene	ND	1.0	0.005
1,1,1,2-Tetrachloroethane	ND	1.0	0.005	1,1,2,2-Tetrachloroethane	ND	1.0	0.005
Tetrachloroethene	ND	1.0	0.005	Toluene	ND	1.0	0.005
1,2,3-Trichlorobenzene	ND	1.0	0.005	1,2,4-Trichlorobenzene	ND	1.0	0.005
1,1,1-Trichloroethane	ND	1.0	0.005	1,1,2-Trichloroethane	ND	1.0	0.005
Trichloroethene	ND	1.0	0.005	Trichlorofluoromethane	ND	1.0	0.005
1,2,3-Trichloropropane	ND	1.0	0.005	1,2,4-Trimethylbenzene	0.0071	1.0	0.005
1,3,5-Trimethylbenzene	ND	1.0	0.005	Vinyl Chloride	ND	1.0	0.005
Xylenes	ND	1.0	0.005				

#### Surrogate Recoveries (%)

%SS1:	85	%SS2:	84
%SS3:	78		

#### Comments:

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/08/08

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]\*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0810055

Lab ID	0810055-005A
Client ID	SP 1-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2.3	40	0.05	tert-Amyl methyl ether (TAME)	ND<0.23	40	0.005
Benzene	ND<0.23	40	0.005	Bromobenzene	ND<0.23	40	0.005
Bromochloromethane	ND<0.23	40	0.005	Bromodichloromethane	ND<0.23	40	0.005
Bromoform	ND<0.23	40	0.005	Bromomethane	ND<0.23	40	0.005
2-Butanone (MEK)	ND<0.94	40	0.02	t-Butyl alcohol (TBA)	ND<2.3	40	0.05
n-Butyl benzene	ND<0.23	40	0.005	sec-Butyl benzene	ND<0.23	40	0.005
tert-Butyl benzene	ND<0.23	40	0.005	Carbon Disulfide	ND<0.23	40	0.005
Carbon Tetrachloride	ND<0.23	40	0.005	Chlorobenzene	ND<0.23	40	0.005
Chloroethane	ND<0.23	40	0.005	Chloroform	ND<0.23	40	0.005
Chloromethane	ND<0.23	40	0.005	2-Chlorotoluene	ND<0.23	40	0.005
4-Chlorotoluene	ND<0.23	40	0.005	Dibromochloromethane	ND<0.23	40	0.005
1,2-Dibromo-3-chloropropane	ND<0.19	40	0.004	1,2-Dibromoethane (EDB)	ND<0.19	40	0.004
Dibromomethane	ND<0.23	40	0.005	1,2-Dichlorobenzene	ND<0.23	40	0.005
1,3-Dichlorobenzene	ND<0.23	40	0.005	1,4-Dichlorobenzene	ND<0.23	40	0.005
Dichlorodifluoromethane	ND<0.23	40	0.005	1,1-Dichloroethane	ND<0.23	40	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.19	40	0.004	1,1-Dichloroethene	ND<0.23	40	0.005
cis-1,2-Dichloroethene	ND<0.23	40	0.005	trans-1,2-Dichloroethene	ND<0.23	40	0.005
1,2-Dichloropropane	ND<0.23	40	0.005	1,3-Dichloropropane	ND<0.23	40	0.005
2,2-Dichloropropane	ND<0.23	40	0.005	1,1-Dichloropropene	ND<0.23	40	0.005
cis-1,3-Dichloropropene	ND<0.23	40	0.005	trans-1,3-Dichloropropene	ND<0.23	40	0.005
Diisopropyl ether (DIPE)	ND<0.23	40	0.005	Ethanol	ND<23	40	0.5
Ethylbenzene	ND<0.23	40	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.23	40	0.005
Freon 113	ND<4.7	40	0.1	Hexachlorobutadiene	ND<0.23	40	0.005
Hexachloroethane	ND<0.23	40	0.005	2-Hexanone	ND<0.23	40	0.005
Isopropylbenzene	ND<0.23	40	0.005	4-Isopropyl toluene	ND<0.23	40	0.005
Methyl-t-butyl ether (MTBE)	ND<0.23	40	0.005	Methylene chloride	ND<0.23	40	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.23	40	0.005	Naphthalene	3.1	40	0.005
n-Propyl benzene	ND<0.23	40	0.005	Styrene	ND<0.23	40	0.005
1,1,1,2-Tetrachloroethane	ND<0.23	40	0.005	1,1,2,2-Tetrachloroethane	ND<0.23	40	0.005
Tetrachloroethene	ND<0.23	40	0.005	Toluene	ND<0.23	40	0.005
1,2,3-Trichlorobenzene	ND<0.23	40	0.005	1,2,4-Trichlorobenzene	ND<0.23	40	0.005
1,1,1-Trichloroethane	ND<0.23	40	0.005	1,1,2-Trichloroethane	ND<0.23	40	0.005
Trichloroethene	ND<0.23	40	0.005	Trichlorofluoromethane	ND<0.23	40	0.005
1,2,3-Trichloropropane	ND<0.23	40	0.005	1,2,4-Trimethylbenzene	ND<0.23	40	0.005
1,3,5-Trimethylbenzene	ND<0.23	40	0.005	Vinyl Chloride	ND<0.23	40	0.005
Xvlens	ND<0.23	40	0.005				

#### Surrogate Recoveries (%)

%SS1:	105	%SS2:	93
%SS3:	90		

Comments: a9

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/08/08

### Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]\*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0810055

Lab ID	0810055-006A
Client ID	SP2
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.22	4.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.022	4.0	0.005
Benzene	ND<0.022	4.0	0.005	Bromobenzene	ND<0.022	4.0	0.005
Bromochloromethane	ND<0.022	4.0	0.005	Bromodichloromethane	ND<0.022	4.0	0.005
Bromoform	ND<0.022	4.0	0.005	Bromomethane	ND<0.022	4.0	0.005
2-Butanone (MEK)	ND<0.087	4.0	0.02	t-Butyl alcohol (TBA)	ND<0.22	4.0	0.05
n-Butyl benzene	ND<0.022	4.0	0.005	sec-Butyl benzene	ND<0.022	4.0	0.005
tert-Butyl benzene	ND<0.022	4.0	0.005	Carbon Disulfide	ND<0.022	4.0	0.005
Carbon Tetrachloride	ND<0.022	4.0	0.005	Chlorobenzene	ND<0.022	4.0	0.005
Chloroethane	ND<0.022	4.0	0.005	Chloroform	ND<0.022	4.0	0.005
Chloromethane	ND<0.022	4.0	0.005	2-Chlorotoluene	ND<0.022	4.0	0.005
4-Chlorotoluene	ND<0.022	4.0	0.005	Dibromochloromethane	ND<0.022	4.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.017	4.0	0.004	1,2-Dibromoethane (EDB)	ND<0.017	4.0	0.004
Dibromomethane	ND<0.022	4.0	0.005	1,2-Dichlorobenzene	ND<0.022	4.0	0.005
1,3-Dichlorobenzene	ND<0.022	4.0	0.005	1,4-Dichlorobenzene	ND<0.022	4.0	0.005
Dichlorodifluoromethane	ND<0.022	4.0	0.005	1,1-Dichloroethane	ND<0.022	4.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.017	4.0	0.004	1,1-Dichloroethene	ND<0.022	4.0	0.005
cis-1,2-Dichloroethene	ND<0.022	4.0	0.005	trans-1,2-Dichloroethene	ND<0.022	4.0	0.005
1,2-Dichloropropane	ND<0.022	4.0	0.005	1,3-Dichloropropane	ND<0.022	4.0	0.005
2,2-Dichloropropane	ND<0.022	4.0	0.005	1,1-Dichloropropene	ND<0.022	4.0	0.005
cis-1,3-Dichloropropene	ND<0.022	4.0	0.005	trans-1,3-Dichloropropene	ND<0.022	4.0	0.005
Diisopropyl ether (DIPE)	ND<0.022	4.0	0.005	Ethanol	ND<2.2	4.0	0.5
Ethylbenzene	ND<0.022	4.0	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.022	4.0	0.005
Freon 113	ND<0.43	4.0	0.1	Hexachlorobutadiene	ND<0.022	4.0	0.005
Hexachloroethane	ND<0.022	4.0	0.005	2-Hexanone	ND<0.022	4.0	0.005
Isopropylbenzene	ND<0.022	4.0	0.005	4-Isopropyl toluene	ND<0.022	4.0	0.005
Methyl-t-butyl ether (MTBE)	ND<0.022	4.0	0.005	Methylene chloride	ND<0.022	4.0	0.005
4-Methyl-2-pentanone (MIBK)	ND<0.022	4.0	0.005	Naphthalene	0.42	4.0	0.005
n-Propyl benzene	ND<0.022	4.0	0.005	Styrene	ND<0.022	4.0	0.005
1,1,1,2-Tetrachloroethane	ND<0.022	4.0	0.005	1,1,2,2-Tetrachloroethane	ND<0.022	4.0	0.005
Tetrachloroethene	ND<0.022	4.0	0.005	Toluene	ND<0.022	4.0	0.005
1,2,3-Trichlorobenzene	ND<0.022	4.0	0.005	1,2,4-Trichlorobenzene	ND<0.022	4.0	0.005
1,1,1-Trichloroethane	ND<0.022	4.0	0.005	1,1,2-Trichloroethane	ND<0.022	4.0	0.005
Trichloroethene	ND<0.022	4.0	0.005	Trichlorofluoromethane	ND<0.022	4.0	0.005
1,2,3-Trichloropropane	ND<0.022	4.0	0.005	1,2,4-Trimethylbenzene	0.025	4.0	0.005
1,3,5-Trimethylbenzene	ND<0.022	4.0	0.005	Vinyl Chloride	ND<0.022	4.0	0.005
Xylenes	ND<0.022	4.0	0.005				

#### Surrogate Recoveries (%)

%SS1:	98	%SS2:	86
%SS3:	83		

Comments: a9

\* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a9) reporting limit near, but not identical to, our standard reporting limit due to variable Encore sample weight



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed 10/04/08
		Date Extracted: 10/02/08

### Semi-Volatile Organics by GC/MS (Basic Target List)\*

Extraction Method: SW3550C

Analytical Method: SW8270C

Work Order: 0810055

Lab ID	0810055-001B
Client ID	TK Exc 2'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	1.6
1,1-Biphenyl	ND	1.0	0.33	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

### Surrogate Recoveries (%)

%SS1:	95	%SS2:	109
%SS3:	87	%SS4:	78
%SS5:	88	%SS6:	80

### Comments:

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed 10/04/08
		Date Extracted: 10/02/08

### Semi-Volatile Organics by GC/MS (Basic Target List)\*

Extraction Method: SW3550C

Analytical Method: SW8270C

Work Order: 0810055

Lab ID	0810055-002B
Client ID	TK Exc 4'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	1.6
1,1-Biphenyl	ND	1.0	0.33	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	ND	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

### Surrogate Recoveries (%)

%SS1:	84	%SS2:	65
%SS3:	80	%SS4:	77
%SS5:	77	%SS6:	76

### Comments:

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed 10/04/08
		Date Extracted: 10/02/08

### Semi-Volatile Organics by GC/MS (Basic Target List)\*

Extraction Method: SW3550C

Analytical Method: SW8270C

Work Order: 0810055

Lab ID	0810055-003B
Client ID	TK Exc 6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	1.6
1,1-Biphenyl	ND	1.0	0.33	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	1.0	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

### Surrogate Recoveries (%)

%SS1:	87	%SS2:	70
%SS3:	81	%SS4:	75
%SS5:	82	%SS6:	78

### Comments:

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content





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Telephone: 877-252-9262 Fax: 925-252-9269

ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/04/08

### Semi-Volatile Organics by GC/MS (Basic Target List)\*

Extraction Method: SW3550C

Analytical Method: SW8270C

Work Order: 0810055

Lab ID	0810055-004B
Client ID	SP 1-A
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<0.66	2.0	0.33	Acenaphthylene	ND<0.66	2.0	0.33
Acetochlor	ND<0.66	2.0	0.33	Anthracene	ND<0.66	2.0	0.33
Benidine	ND<3.2	2.0	1.6	Benzoic Acid	ND<3.2	2.0	1.6
Benzo(a)anthracene	ND<0.66	2.0	0.33	Benzo(b)fluoranthene	ND<0.66	2.0	0.33
Benzo(k)fluoranthene	ND<0.66	2.0	0.33	Benzo(g,h,i)perylene	ND<0.66	2.0	0.33
Benzo(a)pyrene	ND<0.66	2.0	0.33	Benzyl Alcohol	ND<3.2	2.0	1.6
1,1-Biphenyl	ND<0.66	2.0	0.33	Bis (2-chloroethoxy) Methane	ND<0.66	2.0	0.33
Bis (2-chloroethyl) Ether	ND<0.66	2.0	0.33	Bis (2-chloroisopropyl) Ether	ND<0.66	2.0	0.33
Bis (2-ethylhexyl) Phthalate	ND<0.66	2.0	0.33	4-Bromophenyl Phenyl Ether	ND<0.66	2.0	0.33
Butylbenzyl Phthalate	ND<0.66	2.0	0.33	4-Chloroaniline	ND<1.3	2.0	0.66
4-Chloro-3-methylphenol	ND<0.66	2.0	0.33	2-Chloronaphthalene	ND<0.66	2.0	0.33
2-Chlorophenol	ND<0.66	2.0	0.33	4-Chlorophenyl Phenyl Ether	ND<0.66	2.0	0.33
Chrysene	ND<0.66	2.0	0.33	Dibenzo(a,h)anthracene	ND<0.66	2.0	0.33
Dibenzofuran	ND<0.66	2.0	0.33	Di-n-butyl Phthalate	ND<0.66	2.0	0.33
1,2-Dichlorobenzene	ND<0.66	2.0	0.33	1,3-Dichlorobenzene	ND<0.66	2.0	0.33
1,4-Dichlorobenzene	ND<0.66	2.0	0.33	3,3-Dichlorobenzidine	ND<1.3	2.0	0.66
2,4-Dichlorophenol	ND<0.66	2.0	0.33	Diethyl Phthalate	ND<0.66	2.0	0.33
2,4-Dimethylphenol	ND<0.66	2.0	0.33	Dimethyl Phthalate	ND<0.66	2.0	0.33
4,6-Dinitro-2-methylphenol	ND<3.2	2.0	1.6	2,4-Dinitrophenol	ND<3.2	2.0	1.6
2,4-Dinitrotoluene	ND<0.66	2.0	0.33	2,6-Dinitrotoluene	ND<0.66	2.0	0.33
Di-n-octyl Phthalate	ND<0.66	2.0	0.33	1,2-Diphenylhydrazine	ND<0.66	2.0	0.33
Fluoranthene	ND<0.66	2.0	0.33	Fluorene	ND<0.66	2.0	0.33
Hexachlorobenzene	ND<0.66	2.0	0.33	Hexachlorobutadiene	ND<0.66	2.0	0.33
Hexachlorocyclopentadiene	ND<3.2	2.0	1.6	Hexachloroethane	ND<0.66	2.0	0.33
Indeno (1,2,3-cd) pyrene	ND<0.66	2.0	0.33	Isophorone	ND<0.66	2.0	0.33
2-Methylnaphthalene	ND<0.66	2.0	0.33	2-Methylphenol (o-Cresol)	ND<0.66	2.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<0.66	2.0	0.33	Naphthalene	ND<0.66	2.0	0.33
2-Nitroaniline	ND<3.2	2.0	1.6	3-Nitroaniline	ND<3.2	2.0	1.6
4-Nitroaniline	ND<3.2	2.0	1.6	Nitrobenzene	ND<0.66	2.0	0.33
2-Nitrophenol	ND<3.2	2.0	1.6	4-Nitrophenol	ND<3.2	2.0	1.6
N-Nitrosodiphenylamine	ND<0.66	2.0	0.33	N-Nitrosodi-n-propylamine	ND<0.66	2.0	0.33
Pentachlorophenol	ND<3.2	2.0	1.6	Phenanthrene	ND<0.66	2.0	0.33
Phenol	ND<0.66	2.0	0.33	Pyrene	ND<0.66	2.0	0.33
1,2,4-Trichlorobenzene	ND<0.66	2.0	0.33	2,4,5-Trichlorophenol	ND<0.66	2.0	0.33
2,4,6-Trichlorophenol	ND<0.66	2.0	0.33				

### Surrogate Recoveries (%)

%SS1:	84	%SS2:	82
%SS3:	88	%SS4:	91
%SS5:	76	%SS6:	81

Comments: a3

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content



ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed 10/06/08
		Date Extracted: 10/02/08

**Semi-Volatile Organics by GC/MS (Basic Target List)\***

Extraction Method: SW3550C

Analytical Method: SW8270C

Work Order: 0810055

Lab ID	0810055-005B
Client ID	SP 1-B
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND<1.6	5.0	0.33	Acenaphthylene	ND<1.6	5.0	0.33
Acetochlor	ND<1.6	5.0	0.33	Anthracene	ND<1.6	5.0	0.33
Benidine	ND<8.0	5.0	1.6	Benzoic Acid	ND<8.0	5.0	1.6
Benzo(a)anthracene	ND<1.6	5.0	0.33	Benzo(b)fluoranthene	ND<1.6	5.0	0.33
Benzo(k)fluoranthene	ND<1.6	5.0	0.33	Benzo(g,h,i)perylene	ND<1.6	5.0	0.33
Benzo(a)pyrene	ND<1.6	5.0	0.33	Benzyl Alcohol	ND<8.0	5.0	1.6
1,1-Biphenyl	ND<1.6	5.0	0.33	Bis (2-chloroethoxy) Methane	ND<1.6	5.0	0.33
Bis (2-chloroethyl) Ether	ND<1.6	5.0	0.33	Bis (2-chloroisopropyl) Ether	ND<1.6	5.0	0.33
Bis (2-ethylhexyl) Phthalate	ND<1.6	5.0	0.33	4-Bromophenyl Phenyl Ether	ND<1.6	5.0	0.33
Butylbenzyl Phthalate	ND<1.6	5.0	0.33	4-Chloroaniline	ND<3.3	5.0	0.66
4-Chloro-3-methylphenol	ND<1.6	5.0	0.33	2-Chloronaphthalene	ND<1.6	5.0	0.33
2-Chlorophenol	ND<1.6	5.0	0.33	4-Chlorophenyl Phenyl Ether	ND<1.6	5.0	0.33
Chrysene	ND<1.6	5.0	0.33	Dibenzo(a,h)anthracene	ND<1.6	5.0	0.33
Dibenzofuran	ND<1.6	5.0	0.33	Di-n-butyl Phthalate	ND<1.6	5.0	0.33
1,2-Dichlorobenzene	ND<1.6	5.0	0.33	1,3-Dichlorobenzene	ND<1.6	5.0	0.33
1,4-Dichlorobenzene	ND<1.6	5.0	0.33	3,3-Dichlorobenzidine	ND<3.3	5.0	0.66
2,4-Dichlorophenol	ND<1.6	5.0	0.33	Diethyl Phthalate	ND<1.6	5.0	0.33
2,4-Dimethylphenol	ND<1.6	5.0	0.33	Dimethyl Phthalate	ND<1.6	5.0	0.33
4,6-Dinitro-2-methylphenol	ND<8.0	5.0	1.6	2,4-Dinitrophenol	ND<8.0	5.0	1.6
2,4-Dinitrotoluene	ND<1.6	5.0	0.33	2,6-Dinitrotoluene	ND<1.6	5.0	0.33
Di-n-octyl Phthalate	ND<1.6	5.0	0.33	1,2-Diphenylhydrazine	ND<1.6	5.0	0.33
Fluoranthene	ND<1.6	5.0	0.33	Fluorene	ND<1.6	5.0	0.33
Hexachlorobenzene	ND<1.6	5.0	0.33	Hexachlorobutadiene	ND<1.6	5.0	0.33
Hexachlorocyclopentadiene	ND<8.0	5.0	1.6	Hexachloroethane	ND<1.6	5.0	0.33
Indeno (1,2,3-cd) pyrene	ND<1.6	5.0	0.33	Isophorone	ND<1.6	5.0	0.33
2-Methylnaphthalene	15	5.0	0.33	2-Methylphenol (o-Cresol)	ND<1.6	5.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND<1.6	5.0	0.33	Naphthalene	1.8	5.0	0.33
2-Nitroaniline	ND<8.0	5.0	1.6	3-Nitroaniline	ND<8.0	5.0	1.6
4-Nitroaniline	ND<8.0	5.0	1.6	Nitrobenzene	ND<1.6	5.0	0.33
2-Nitrophenol	ND<8.0	5.0	1.6	4-Nitrophenol	ND<8.0	5.0	1.6
N-Nitrosodiphenylamine	ND<1.6	5.0	0.33	N-Nitrosodi-n-propylamine	ND<1.6	5.0	0.33
Pentachlorophenol	ND<8.0	5.0	1.6	Phenanthrene	1.7	5.0	0.33
Phenol	ND<1.6	5.0	0.33	Pyrene	ND<1.6	5.0	0.33
1,2,4-Trichlorobenzene	ND<1.6	5.0	0.33	2,4,5-Trichlorophenol	ND<1.6	5.0	0.33
2,4,6-Trichlorophenol	ND<1.6	5.0	0.33				

**Surrogate Recoveries (%)**

%SS1:	91	%SS2:	103
%SS3:	87	%SS4:	93
%SS5:	---#	%SS6:	92

**Comments:**

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed 10/04/08

### Semi-Volatile Organics by GC/MS (Basic Target List)\*

Extraction Method: SW3550C

Analytical Method: SW8270C

Work Order: 0810055

Lab ID	0810055-006B
Client ID	SP2
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Acetochlor	ND	1.0	0.33	Anthracene	ND	1.0	0.33
Benzidine	ND	1.0	1.6	Benzoic Acid	ND	1.0	1.6
Benzo(a)anthracene	ND	1.0	0.33	Benzo(b)fluoranthene	ND	1.0	0.33
Benzo(k)fluoranthene	ND	1.0	0.33	Benzo(g,h,i)perylene	ND	1.0	0.33
Benzo(a)pyrene	ND	1.0	0.33	Benzyl Alcohol	ND	1.0	1.6
1,1-Biphenyl	ND	1.0	0.33	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	1.1	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	ND	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
2-Nitrophenol	ND	1.0	1.6	4-Nitrophenol	ND	1.0	1.6
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

### Surrogate Recoveries (%)

%SS1:	93	%SS2:	76
%SS3:	88	%SS4:	77
%SS5:	83	%SS6:	84

### Comments:

\* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

#) surrogate diluted out of range; &) low or no surrogate due to matrix interference.

a3) sample diluted due to high organic content



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed: 10/06/08
		Date Extracted: 10/02/08

### Hexane Extractable Material With Silica Gel Treatment\*

Extraction method SM5520DF\_S

Analytical methods SW9071B

Work Order: 0810055

Lab ID	Client ID	Matrix	HEMSGT	DF	% SS
0810055-001B	TK Exc 2'	S	ND	1	N/A
0810055-002B	TK Exc 4'	S	ND	1	N/A
0810055-003B	TK Exc 6'	S	77	1	N/A
0810055-004B	SP 1-A	S	ND	1	N/A
0810055-005B	SP 1-B	S	170	1	N/A
0810055-006B	SP2	S	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

\* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

# surrogate diluted out of range or not applicable to this sample.





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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Extracted: 10/02/08
		Date Analyzed: 10/06/08

### LUFT 5 Metals\*

Extraction method: SW3050B

Analytical methods: 6010C

Work Order: 0810055

Lab ID	Client ID	Matrix	Extraction Type	Cadmium	Chromium	Lead	Nickel	Zinc	DF	% SS
001B	TK Exc 2'	S	TOTAL	ND	44	7.6	42	56	1	101
002B	TK Exc 4'	S	TOTAL	ND	41	5.9	36	51	1	97
003B	TK Exc 6'	S	TOTAL	ND	44	8.1	40	70	1	98
004B	SP 1-A	S	TOTAL	ND	47	21	45	75	1	97
005B	SP 1-B	S	TOTAL	ND	50	27	50	77	1	101
006B	SP2	S	TOTAL	ND	45	7.1	43	54	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	NA	NA	NA	NA	NA	NA
	S	TOTAL	1.5	1.5	5.0	1.5	5.0	mg/Kg	

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.  
WET = Waste Extraction Test (STLC).  
DI WET = Waste Extraction Test using de-ionized water.

 Angela Rydelius, Lab Manager



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ADR Environmental Group  1760 Creekside Oaks Dr, #120  Sacramento, CA 95833-3642	Client Project ID: #BHV1 01-08-011 CA; Dublin	Date Sampled: 10/02/08
	Client Contact: David Lambert	Date Received: 10/02/08
	Client P.O.:	Date Analyzed: 10/04/08-10/07/08

### Total Extractable Petroleum Hydrocarbons\*

Extraction method SW3550C

Analytical methods: SW8015B

Work Order: 0810055

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0810055-001B	TK Exc 2'	S	5.7,e10/e1	1	112
0810055-002B	TK Exc 4'	S	ND	1	81
0810055-003B	TK Exc 6'	S	190,e10/e1	1	113
0810055-004B	SP 1-A	S	25,e10/e1	1	111
0810055-005B	SP 1-B	S	590,e10/e1	5	97
0810055-006B	SP2	S	110,e10/e1	1	113

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

\* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation:

e10) fuel oil; and/or e1) unmodified or weakly modified diesel is significant



### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38668

WorkOrder: 0810055

EPA Method SW8260B		Extraction SW5035							Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
1,4-Dioxane	N/A	0.050	N/A	N/A	N/A	89.6	86.2	3.77	N/A	N/A	70 - 130	30
%SS1:	N/A	0.050	N/A	N/A	N/A	82	82	0	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 38668 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001A	10/02/08 1:30 PM	10/02/08	10/07/08 2:12 PM	0810055-002A	10/02/08 1:30 PM	10/02/08	10/07/08 2:55 PM
0810055-003A	10/02/08 1:35 PM	10/02/08	10/07/08 6:31 PM	0810055-004A	10/02/08 12:30 PM	10/02/08	10/07/08 10:26 PM
0810055-005A	10/02/08 12:30 PM	10/02/08	10/07/08 5:06 PM	0810055-006A	10/02/08 2:00 PM	10/02/08	10/07/08 5:49 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery =  $100 * (MS - Sample) / (Amount Spiked)$ ; RPD =  $100 * (MS - MSD) / ((MS + MSD) / 2)$ .

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.





**QC SUMMARY REPORT FOR SW8082**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38598

WorkOrder 0810055

EPA Method SW8082		Extraction SW3550C							Spiked Sample ID: 0809900-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	ND	0.075	94.8	97	2.31	92.8	95.6	2.91	70 - 130	20	70 - 130	20
%SS:	107	0.050	108	108	0	107	108	0.689	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 38598 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001B	10/02/08 1:30 PM	10/02/08	10/06/08 5:44 PM	0810055-002B	10/02/08 1:30 PM	10/02/08	10/09/08 3:34 PM
0810055-003B	10/02/08 1:35 PM	10/02/08	10/09/08 1:34 PM	0810055-004B	10/02/08 12:30 PM	10/02/08	10/09/08 1:34 PM
0810055-005B	10/02/08 12:30 PM	10/02/08	10/09/08 2:33 PM	0810055-006B	10/02/08 2:00 PM	10/02/08	10/09/08 2:33 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



### QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38667

WorkOrder: 0810055

Analyte	EPA Method SW8260B Extraction SW5035								Spiked Sample ID: N/A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	N/A	0.050	N/A	N/A	N/A	85.5	88	2.86	N/A	N/A	60 - 130	30
Benzene	N/A	0.050	N/A	N/A	N/A	97.4	98.4	1.01	N/A	N/A	60 - 130	30
t-Butyl alcohol (TBA)	N/A	0.25	N/A	N/A	N/A	76.1	77.8	2.16	N/A	N/A	60 - 130	30
Chlorobenzene	N/A	0.050	N/A	N/A	N/A	93	95.1	2.14	N/A	N/A	60 - 130	30
1,2-Dibromoethane (EDB)	N/A	0.050	N/A	N/A	N/A	91.6	92.7	1.17	N/A	N/A	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	0.050	N/A	N/A	N/A	108	109	1.32	N/A	N/A	60 - 130	30
1,1-Dichloroethene	N/A	0.050	N/A	N/A	N/A	77.5	79.3	2.28	N/A	N/A	60 - 130	30
Diisopropyl ether (DIPE)	N/A	0.050	N/A	N/A	N/A	96.8	98	1.24	N/A	N/A	60 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	0.050	N/A	N/A	N/A	109	110	1.47	N/A	N/A	60 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	0.050	N/A	N/A	N/A	97.3	99.4	2.14	N/A	N/A	60 - 130	30
Toluene	N/A	0.050	N/A	N/A	N/A	105	107	1.52	N/A	N/A	60 - 130	30
Trichloroethene	N/A	0.050	N/A	N/A	N/A	91.2	93.2	2.16	N/A	N/A	60 - 130	30
%SS1:	N/A	0.12	N/A	N/A	N/A	83	86	3.03	N/A	N/A	70 - 130	30
%SS2:	N/A	0.12	N/A	N/A	N/A	104	105	0.504	N/A	N/A	70 - 130	30
%SS3:	N/A	0.012	N/A	N/A	N/A	106	112	5.67	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 38667 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001A	10/02/08 1:30 PM	10/02/08	10/08/08 3:25 AM	0810055-002A	10/02/08 1:30 PM	10/02/08	10/08/08 4:07 AM
0810055-003A	10/02/08 1:35 PM	10/02/08	10/08/08 8:50 PM	0810055-004A	10/02/08 12:30 PM	10/02/08	10/08/08 9:35 PM
0810055-005A	10/02/08 12:30 PM	10/02/08	10/08/08 10:21 PM	0810055-006A	10/02/08 2:00 PM	10/02/08	10/08/08 11:04 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38640

WorkOrder 0810055

Table with columns: EPA Method SW8270C, Extraction SW3550C, Spiked Sample ID: 0810031-009A, Analyte, Sample mg/Kg, Spiked mg/Kg, MS % Rec., MSD % Rec., MS-MSD % RPD, LCS % Rec., LCSD % Rec., LCS-LCSD % RPD, and Acceptance Criteria (%).

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 38640 SUMMARY

Summary table with columns: Lab ID, Date Sampled, Date Extracted, Date Analyzed, and corresponding values for multiple samples.

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).
MS / MSD spike recoveries and / %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.
#) surrogate diluted out of range; & = low or no recovery of surrogate or target analytes due to matrix interference.
Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



**QC SUMMARY REPORT FOR SW9071B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38669

WorkOrder 0810055

EPA Method SW9071B		Extraction SM5520DF_S							Spiked Sample ID: 0810055-006B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	ND	1000	109	112	2.58	97.4	94.1	3.52	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 38669 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001B	10/02/08 1:30 PM	10/02/08	10/06/08 5:36 PM	0810055-002B	10/02/08 1:30 PM	10/02/08	10/06/08 5:41 PM
0810055-003B	10/02/08 1:35 PM	10/02/08	10/06/08 5:46 PM	0810055-004B	10/02/08 12:30 PM	10/02/08	10/06/08 5:51 PM
0810055-005B	10/02/08 12:30 PM	10/02/08	10/06/08 5:56 PM	0810055-006B	10/02/08 2:00 PM	10/02/08	10/06/08 5:31 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

# surrogate diluted out of range.



**QC SUMMARY REPORT FOR SW8021B/8015Cm**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38659

WorkOrder: 0810055

EPA Method SW8021B/8015Cm		Extraction SW5030B							Spiked Sample ID: 0810065-006A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) <sup>f</sup>	ND	0.60	92.2	90.9	1.49	103	104	0.769	70 - 130	20	70 - 130	20
MTBE	ND	0.10	86.8	90.8	4.54	89.3	98.1	9.35	70 - 130	20	70 - 130	20
Benzene	ND	0.10	88.5	91.6	3.40	81.3	93.1	13.6	70 - 130	20	70 - 130	20
Toluene	ND	0.10	100	104	3.31	82.3	84.2	2.36	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	99.2	102	3.30	95.4	94.5	0.924	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	109	112	2.18	92.4	92.7	0.358	70 - 130	20	70 - 130	20
%SS:	74	0.10	97	101	3.72	88	88	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 38659 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001B	10/02/08 1:30 PM	10/02/08	10/04/08 5:30 AM	0810055-002B	10/02/08 1:30 PM	10/02/08	10/03/08 11:38 PM
0810055-003B	10/02/08 1:35 PM	10/02/08	10/04/08 1:40 AM	0810055-004B	10/02/08 12:30 PM	10/02/08	10/04/08 1:00 PM
0810055-005B	10/02/08 12:30 PM	10/02/08	10/04/08 2:10 AM	0810055-006B	10/02/08 2:00 PM	10/02/08	10/04/08 2:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

# cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



### QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0810055

EPA Method 6010C		Extraction SW3050B				BatchID: 38636			Spiked Sample ID 0810024-013A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	ND	50	92.8	94	1.18	10	94.6	93.6	1.14	75 - 125	20	80 - 120	20
Chromium	78	50	77.6	78.9	0.555	10	101	93.6	7.40	75 - 125	20	80 - 120	20
Lead	8.1	50	86	89.1	2.99	10	88.2	84.3	4.52	75 - 125	20	80 - 120	20
Nickel	82	50	89.8	92.5	1.04	10	102	100	1.63	75 - 125	20	80 - 120	20
Zinc	70	500	86.8	82.8	4.00	100	93.6	93.3	0.321	75 - 125	20	80 - 120	20
%SS:	104	250	99	100	0.442	250	99	95	3.82	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

#### BATCH 38636 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001B	10/02/08 1:30 PM	10/02/08	10/06/08 12:54 PM	0810055-002B	10/02/08 1:30 PM	10/02/08	10/06/08 12:59 PM
0810055-003B	10/02/08 1:35 PM	10/02/08	10/06/08 1:04 PM	0810055-004B	10/02/08 12:30 PM	10/02/08	10/06/08 1:08 PM
0810055-005B	10/02/08 12:30 PM	10/02/08	10/06/08 1:13 PM	0810055-006B	10/02/08 2:00 PM	10/02/08	10/06/08 1:18 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



**QC SUMMARY REPORT FOR SW8015B**

W.O. Sample Matrix: Soil

QC Matrix: Soil

BatchID: 38632

WorkOrder 0810055

EPA Method SW8015B		Extraction SW3550C							Spiked Sample ID: 0810017-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	7.6	20	96.8	99.9	2.23	100	108	7.11	70 - 130	30	70 - 130	30
%SS:	81	50	81	83	2.70	82	110	29.0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:  
NONE

BATCH 38632 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0810055-001B	10/02/08 1:30 PM	10/02/08	10/04/08 1:35 AM	0810055-002B	10/02/08 1:30 PM	10/02/08	10/04/08 2:41 AM
0810055-003B	10/02/08 1:35 PM	10/02/08	10/04/08 3:48 AM	0810055-004B	10/02/08 12:30 PM	10/02/08	10/04/08 8:13 AM
0810055-005B	10/02/08 12:30 PM	10/02/08	10/07/08 11:01 PM	0810055-006B	10/02/08 2:00 PM	10/02/08	10/04/08 4:54 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

**APPENDIX D**

**UST UNAUTHORIZED RELEASE (LEAK)/  
CONTAMINATION SITE REPORT**

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