P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

August 16, 2012
Letter 0553.L1

East Bay Regional Park District
2950 Peralta Oaks Court
P.O. Box 5381
Oakland, CA 94605-0381

SUBJECT: SOIL CHARACTERIZATION INFORMATION SUMMARY
Cathedral Gardens
Oakland, CA

Dear Mr. Craighill,

This letter provides documentation of soil characterization for the Cathedral Gardens site in Oakland, California. The site has historically been used as a church and school beginning in the 1880's. The church was demolished in 1993, and the site has been vacant since approximately 2003. It appears that limited community garden activities have occurred in the western portion of Areas B and C in recent years. A Site Plan showing Areas A, B, C and D and sample collection locations in each area is attached as Figure 1. Area A is subdivided into subareas A1, A2 and A3, and Area A3 is further subdivided into subareas A3a, A3b, A3c, and A3d.

The dimensions for each area and subarea and the depths of excavation for materials that are proposed for placement at the Oyster Bay Regional Park (Oyster Bay) from the subject site are summarized in Table 1. Table 1 also includes estimated volumes of material from each area and subarea, the samples that characterize each area or subarea, and the types of laboratory analysis and the associated laboratory report number for the samples. The sample results for detected compounds for each area are summarized in Table 2 for Area A, Table 3 for Areas B and C, and Table 4 for Area D. The actual volume of material that is proposed for removal from Area D is presently unknown.

Organochlorine pesticide (OCP) results for Area A samples are summarized in Table 2A. The results in Table 2A that show that the soil proposed for placement at Oyster Bay meets Oyster Bay acceptance criteria is hi-lited in yellow. Samples B1-4.5 and B2-4.5 are referenced in Table 1 as being representative of Area A because TPH, VOC, and CAM 17 metals analysis was performed for each of these samples. Samples B1A and B2A are referenced in Table 1 as representative of Area A because OCP, PCB and PAH analysis was performed for each of these samples. Please note that based on the OCP chlordane result for the B1A sample, soil will be excavated to a depth of 5 feet in the vicinity of the B1A sample location for landfill disposal (this material will not be placed at Oyster Bay). Confirmation samples P1-4, P2-5, P3-5 and P8-5 show that the soil at the 4- and 5-foot depths for the entire B1A vicinity meets Oyster Bay acceptance criteria. Similarly, although 0.010 mg/kg DDE was detected at location B2A at the surface of the material that is present immediately below the concrete surface cover, sample T2-1 shows that all

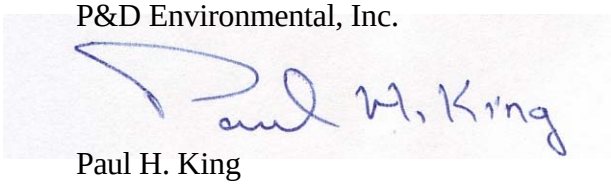
OCPs including DDE are not detected at a depth of 1 foot at this location. Additionally, soil in the vicinity of sample B2A will be excavated to a depth of 2 feet for disposal at a location other than Oyster Bay.

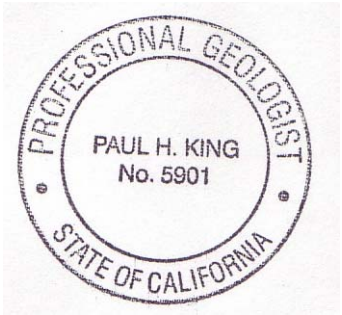
The results of the initial characterization of the different areas identified the OCP chlordane at the ground surface in Area A3 at location B1 and arsenic at the ground surface in Areas B and C at and in the vicinity of location B3. Subsequent investigation of these areas determined that excavation will be performed to the depths specified for the different areas and subareas as specified in Table 1. Sample results for each of the samples collected at depths below the impacted materials in Areas A, B and C and sample results for each of the samples collected in Area D are summarized in Tables 2 through 4.

Should you have any questions please do not hesitate to contact us at 510-658-6916.

Sincerely,

P&D Environmental, Inc.





Paul H. King
Professional Geologist #5901
Expires 12/31/13

Attachments:

Figure 1- Site Plan
Table 1 – Soil Volume and Laboratory Analysis Summary
Table 2 – Summary of Detected Compounds in Area A
Table 2A - Summary Detected OCP Compounds in Area A
Table 3 – Summary of Detected Compounds in Areas B and C
Table 4 – Summary of Detected Compounds in Area D
Laboratory Reports (1106323, 1206889, 1207741_addon_A, 1207741_addon_B, 1207749_addon_A, 1207749_addon_B, 1207749_addon_C, B167005, B167090)

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0553.L1

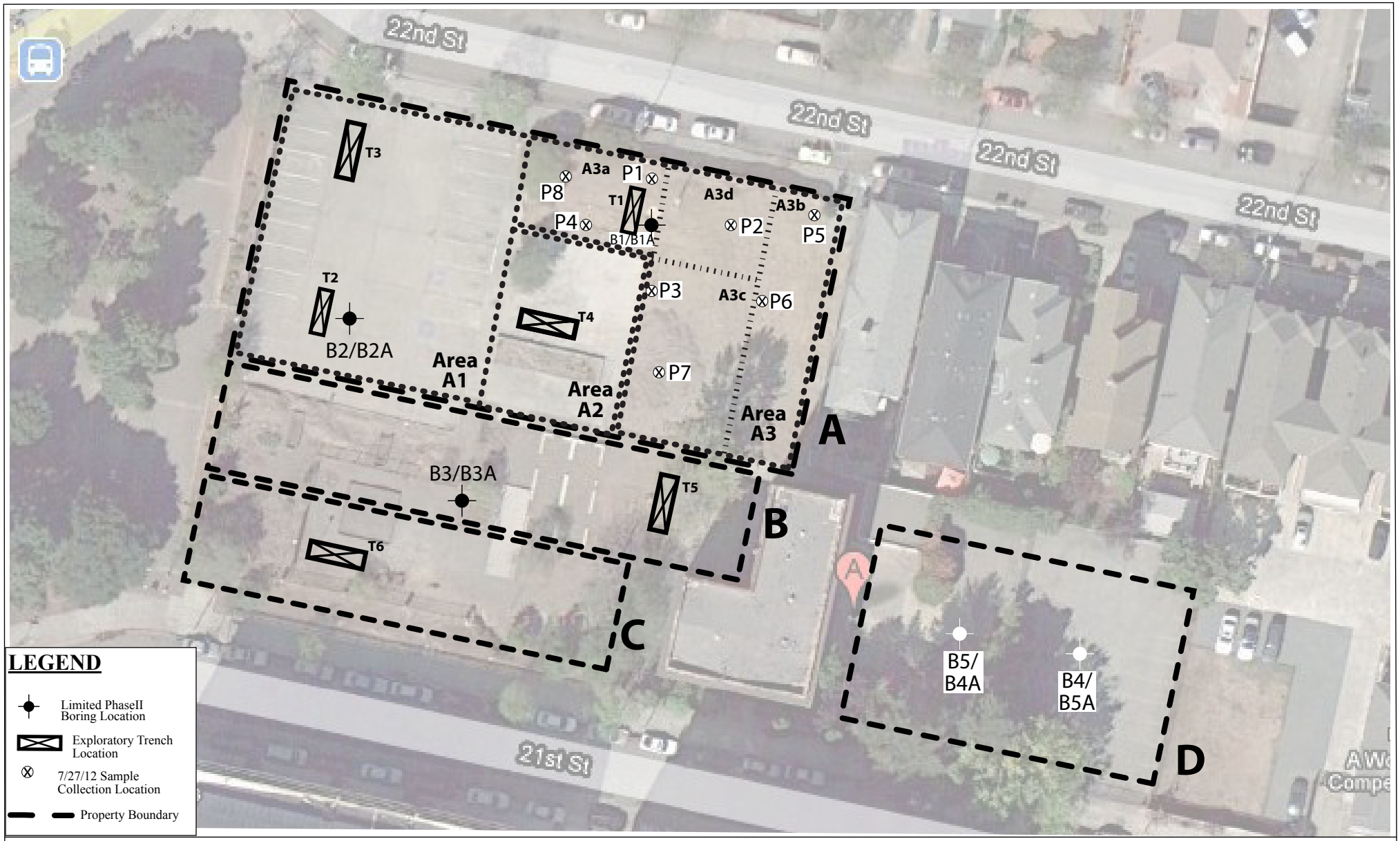

Figure 1
Aerial Photograph Site Plan Showing B-Series, P-Series, and T-Series Sample Collection Locations
2100 Martin Luther King Jr. Way
616-634 21st Street and 635 22nd Street
Oakland, California

Base Map From: Basics Environmental, Limited Phase II Environmental Site Sampling Report, dated June 27, 2011	P&D Environmental, Inc. 55 Santa Clara Avenue Oakland, CA 94610	0 25 50 Approximate Scale In Feet N

TABLE 1

Soil Volume and Laboratory Analysis Summary

Area	Length (ft)	Width (ft)	Square Ft	Excavation Depth Cubic Yd Per Ft	Tons Per Cubic Yd	Excavation Depth Tons Per Ft	Depth to Top of Excavate Interval (feet)	Depth to Bottom of Excavate Interval (feet)	Thickness (feet)	Total Vol (Cubic Yd)	Total Wt (Tons)	Area Sample Location Designations	Laboratory Analysis Conducted on Samples	Lab Report Numbers
A	218	107	23326	864	1.5	1296	SEE BELOW							
A1	105	95	9975	369	1.5	554	2	7	5	1847	2771	B2-4.5, B2A, T3-2	VOCs, CAM 17 Metals, TPH, PCBs, PAHs, OCPs	1106323, 1206889, 1207741_addon_B
A2	70	50	3500	130	1.5	194	2	7	5	648	972	T4-2	OCPs	1207741_addon_A
A3	SEE BELOW											B1-4.5, B1A ALSO SEE BELOW	VOCs, CAM 17 Metals, TPH, PCBs, PAHs, OCPs	1106323, 1206889
A3a	50	35	1750	65	1.5	97	5	7	2	130	194	P1-4, P4-5, P8-5	OCPs	1207749_addon_A, 1207749_addon_B, 1207749_addon_C
A3b	105	25	2625	97	1.5	146	4	7	3	292	438	P5-3, P6-4	OCPs	1207749_addon_A, 1207749_addon_B
A3c	70	45	3150	117	1.5	175	5	7	2	233	350	P3-5, P7-5	OCPs	1207749_addon_B, 1207749_addon_C
A3d	45	35	1575	58	1.5	88	5	7	2	117	175	P2-5	OCPs	1207749_addon_B
B	206	42	8652	320	1.5	481	1	7	6	1923	2884	B3-4.5, B3A, T5-1, T5-2, T5-4, T5-5	VOCs, CAM 17 Metals, TPH, PCBs, PAHs, OCPs, Asbestos by PLM	1106323, 1206889, 1207741_addon_A, B167005, 1207741_addon_B
C	165	42	6930	257	1.5	385	1	7	6	1540	2310	B3-4.5, B3A, T6-1, T6-4	VOCs, CAM 17 Metals, TPH, PCBs, PAHs, OCPs, Asbestos by PLM	1106323, 1206889, B167005, 1207741_addon_B
D	122	76	9272	343	1.5	515	0	4	4	1374	2060	B4-4.5, B5-4.5, B4A, B5A	VOCs, CAM 17 Metals, TPH, PCBs, PAHs, OCPs, Asbestos by PLM	1106323, 1206889, B167090
TOTAL			**61483**	**2277**	**1.5**	**3416**			**7**	**15940**	**23910**			

NOTES:

Assume 1.5 tons per cubic yard

TABLE 2

Summary of Detected Compounds in AREA A

	Analysis	B1-4.5	B2-4.5	B1A **	B2A **	P1-4	P2-5	P3-5	P4-5	P5-3	P6-4	P7-5	P8-5	T3-2	T4-2	Oyster Bay Acceptance Criteria	Laboratory Report Number
TPH	TPH-G	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	1106323
	TPH-K	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	
	TPH-D	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	
	TPH-BO	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	
	TPH-MO	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	
	TPH-SS	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	
	MTBE	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023	
	Toluene	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.9	
	Ethylbenzene	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	
	Xylenes	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3	
VOCs	All VOCs	All ND	All ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		1106323
CAM 17 Metals	Arsenic	1.4	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1106323
	Barium	170	220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	750	
	Beryllium	0.54	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	
	Chromium	63	68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	
	Cobalt	6.5	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	
	Copper	21	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68	
	Lead	4.4	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43	
	Nickel	53	98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	
	Vanadium	38	59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	
	Zinc	49	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160	
OCP by 8081	Chlordane (Technical)	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.0023	
	a-Chlordane	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	g-Chlordane	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	Total DDD, DDE and DDT	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.007	
	DDD	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	DDE	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	DDT	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	Dieldrin	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.00072	
	Endosulfan I	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.0046	
	Endosurfan II	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.0046	
	Endrin	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.00065	
	Endrin aldehyde	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	Endrin ketone	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	None	
	Heptachlor	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.014	
	Heptachlor epoxide	NA	NA	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	See Table 2A	0.015	
PAHs by 8270	Benzo (a) anthracene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41	1206889
	Benzo (b) fluoranthene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	
	Benzo (g,h,i) perylene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31	
	Benzo (a) pyrene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13	
	Chrysene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.29	
	Fluoranthene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.51	
	Indeno (1,2,3-cd) pyrene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.38	
	Phenanthrene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.24	
	Pyrene	NA	NA	ND<0.01	ND<0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.67	
PCBs by 8082	PCBs, total	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023	1206889

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-K = Total Petroleum Hydrocarbons as Kerosene.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
TPH-SS = Total Petroleum Hydrocarbons as Stoddard Solvent
MTBE = Methyl-tert-Butyl Ether
ND = Not Detected.
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethene
DDT = Dichlorodiphenyltrichloroethane
ND = Not Detected.
** Samples collected at the surface will be disposed as Class I.
NA = Not Analyzed. Exceeds Oyster Bay Regional Park acceptance criteria
c = Analyte detected below quantitation limits
All results reported in milligrams per kilogram (mg/kg) unless otherwise note

Table 2A

Summary of Detected OCP Compounds in Area A

Sample ID	Sample Date	Sample Depth (ft)	Chlordane (Technical)	a-Clordane	g-Clordane	Total DDD, DDE, DDT	DDD	DDE	DDT	Dieldrin	Endosulfan I	Endosulfan II	Heptachlor	Heptachlor epoxide
B1A	6/28/2012	0	3.7	0.25	0.42	ND	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	0.31	0.069
B2A	6/28/2012	0	ND<0.025	ND<0.001	ND<0.001	0.010	ND<0.001	0.010	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001
P1-4	7/29/2012	4	ND<0.016	ND<0.00047	ND<0.00021	0.00095	ND<0.00014	ND<0.00032	0.00095, c	0.00067, c	ND<0.00065	ND<0.0002	ND<0.00021	ND<0.0002
P2-5	7/29/2012	5	ND<0.016	0.00063, c	0.0011	ND	ND	ND	ND	ND	ND	ND	0.00072, c	0.00065, c
P3-5	7/29/2012	5	ND<0.016	0.00076, c	0.00092, c	ND	ND	ND	ND	ND	ND	ND	0.00055, c	0.00086, c
P4-5	7/29/2012	5	ND<0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00054, c
P5-3	7/29/2012	3	ND<0.016	ND<0.00047	ND<0.00021	ND	ND<0.00014	ND<0.00032	ND<0.00043	ND<0.00033	ND<0.00065	ND<0.0002	0.00028, c	0.00034, c
P6-4	7/29/2012	4	ND<0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00026, c
P7-5	7/29/2012	5	ND<0.016	ND<0.00047	ND<0.00021	ND	ND<0.00014	ND<0.00032	ND<0.00043	ND<0.00033	ND<0.00065	ND<0.0002	ND<0.00021	ND<0.0002
P8-5	7/29/2012	5	ND<0.016	ND<0.00047	ND<0.00021	ND	ND<0.00014	ND<0.00032	ND<0.00043	ND<0.00033	ND<0.00065	ND<0.0002	ND<0.00021	ND<0.0002
T2-1	7/29/2012	1	ND<0.016	ND<0.00047	ND<0.00021	ND	ND<0.00014	ND<0.00032	ND<0.00043	ND<0.00033	ND<0.00065	ND<0.0002	ND<0.00021	ND<0.0002
T3-2	7/29/2012	2	ND<0.016	ND	ND	0.00064	ND	ND	0.00064, c	ND	ND	ND	ND	ND
T4-2	7/29/2012	2	ND<0.016	ND<0.00047	ND<0.00021	ND	ND<0.00014	ND<0.00032	ND<0.00043	ND<0.00033	ND<0.00065	ND<0.0002	ND<0.00021	ND<0.0002
Oyster Bay			0.0023	None	None	0.007	None	None	None	0.00072	0.0046	0.0046	0.014	0.015

NOTES:

DDD = Dichlorodiphenyldichloroethan

DDE = Dichlorodiphenyldichloroethen

DDT = Dichlorodiphenyltrichloroethan

ND = Not Detected.

NA = Not Analyzed.

c = Laboratory analytical note: analyte detected below quantitation limits

Oyster Bay = Oyster Bay Regional Park acceptance criteria

Soil at location B1A will be excavated to a depth of 5 feet for disposal elsewhere.

Confirmation samples P1-4, P2-5, P3-5 and P8-5 show that the soil at the 4- and 5-foot depths for the entire B1A vicinity meets Oyster Bay acceptance criteria.

Soil at location B2A was collected at the ground surface (immediately below concrete cover) and will be excavated to a depth of 2 feet for disposal elsewhere.

Confirmation sample T2-1 shows that the soil at the 1-foot depth at location B2A meets Oyster Bay acceptance criteria.

All results reported in milligrams per kilogram (mg/kg) unless otherwise noted

TABLE 3

Summary of Detected Compounds in for AREAS B and C

Analysis	Analytes	B3-4.5	T5-1	T5-2	T5-4	T5-5	T6-1	T6-4	Oyster Bay Acceptance Criteria	Laboratory Report Number
TPH	TPH-K	1.1	NA	NA	NA	NA	NA	NA	100	1106323
	TPH-D	2.4	NA	NA	NA	NA	NA	NA	100	
	TPH-BO	6.9	NA	NA	NA	NA	NA	NA	100	
	TPH-MO	6.8	NA	NA	NA	NA	NA	NA	100	
VOCs	All VOCs	All ND	NA	NA	NA	NA	NA	NA		1106323
CAM 17 Metals	Antimony	ND<0.5	NA	NA	NA	NA	NA	NA	20	1106323, 1207741
	Arsenic	1.5	11	NA	NA	NA	4.1	2.8	15	
	Barium	81	NA	NA	NA	NA	NA	NA	750	
	Chromium	30	NA	NA	NA	NA	NA	NA	110	
	Cobalt	4.8	NA	NA	NA	NA	NA	NA	40	
	Copper	5.8	NA	NA	NA	NA	NA	NA	68	
	Lead	12	NA	NA	NA	NA	NA	NA	43	
	Mercury	0.070	NA	NA	NA	NA	NA	NA	10	
	Molybdenum	ND<0.5	NA	NA	NA	NA	NA	NA	40	
	Nickel	13	NA	NA	NA	NA	NA	NA	110	
	Vanadium	25	NA	NA	NA	NA	NA	NA	200	
	Zinc	17	NA	NA	NA	NA	NA	NA	160	
OCP by 8081	Chlordane (Technical)	NA	ND	ND	NA	NA	NA	NA	0.0023	1206889, 1207741_addon_A
	Total DDD, DDE and DDT	NA	ND	ND	NA	NA	NA	NA	0.007	
	DDD	NA	ND<0.00014	ND<0.00014	NA	NA	NA	NA	None	
	DDE	NA	ND<0.00032	ND<0.00032	NA	NA	NA	NA	None	
	DDT	NA	ND<0.00043	ND<0.00043	NA	NA	NA	NA	None	
	Heptachlor	NA	ND<0.00021	ND<0.00021	NA	NA	NA	NA	0.014	
	Heptachlor epoxide	NA	ND<0.0002	ND<0.0002	NA	NA	NA	NA	0.015	
PAHs by 8270	Benzo (a) anthracene	NA	NA	NA	NA	NA	NA	NA	0.41	1206889
	Benzo (b) fluoranthene	NA	NA	NA	NA	NA	NA	NA	0.37	
	Benzo (g,h,i) perylene	NA	NA	NA	NA	NA	NA	NA	0.31	
	Benzo (a) pyrene	NA	NA	NA	NA	NA	NA	NA	0.13	
	Chrysene	NA	NA	NA	NA	NA	NA	NA	0.29	
	Fluoranthene	NA	NA	NA	NA	NA	NA	NA	0.51	
	Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	NA	NA	0.38	
	Phenanthrene	NA	NA	NA	NA	NA	NA	NA	0.24	
	Pyrene	NA	NA	NA	NA	NA	NA	NA	0.67	
PCBs by 8082	PCBs, total	NA	NA	NA	NA	NA	NA	NA	0.023	1206889
Asbestos	Asbestos by PLM	NA	NA	ND	ND	ND	ND	ND		B167005

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-K = Total Petroleum Hydrocarbons as Kerosene
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil
TPH-MO = Total Petroleum Hydrocarbons as Motor Oi
TPH-SS = Total Petroleum Hydrocarbons as Stoddard Solven
MTBE = Methyl-tert-Butyl Ether
ND = Not Detected.
DDD = Dichlorodiphenyldichloroethan
DDE = Dichlorodiphenyldichloroethene
DDT = Dichlorodiphenyltrichloroethan
ND = Not Detected.
NA = Not Analyzed
All results reported in milligrams per kilogram (mg/kg) unless otherwise note

TABLE 4

Summary of Detected Compounds in AREA D

	Analysis	B4-4.5	B5-4.5	B4A	B5A	Oyster Bay Acceptance Criteria	Laboratory Report Number
TPH	TPH-G	ND	ND	NA	NA	100	1106323
	TPH-K	ND	ND	NA	NA	100	
	TPH-D	ND	ND	NA	NA	100	
	TPH-BO	ND	ND	NA	NA	100	
	TPH-MO	ND	ND	NA	NA	100	
	TPH-SS	ND	ND	NA	NA	100	
	MTBE	ND	ND	NA	NA	0.023	
	Toluene	ND	ND	NA	NA	2.9	
	Ethylbenzene	ND	ND	NA	NA	3.3	
	Xylenes	ND	ND	NA	NA	2.3	
VOCs	All VOCs	All ND	All ND	NA	NA		110623
CAM 17 Metals	Arsenic	2.2	2.1	NA	NA	15	1106323
	Barium	150	140	NA	NA	750	
	Chromium	77	74	NA	NA	0.33	
	Cobalt	11	15	NA	NA	110	
	Copper	11	13	NA	NA	40	
	Lead	4.8	6.8	NA	NA	43	
	Mercury	0.097	0.095	NA	NA	10	
	Nickel	40	38	NA	NA	110	
	Vanadium	50	45	NA	NA	200	
	Zinc	39	40	NA	NA	160	
	WET Chromium	NA	NA	0.19	0.13	None	1206889_addon_A
OCP by 8081	Chlordane (Technical)	NA	NA	ND	ND	0.0023	1206889
	Total DDD, DDE and DDT	NA	NA	ND	ND	0.007	
	DDD	NA	NA	ND<0.050	ND<0.050	None	
	DDE	NA	NA	ND<0.050	ND<0.050	None	
	DDT	NA	NA	ND<0.050	ND<0.050	None	
	Heptachlor	NA	NA	ND<0.050	ND<0.050	0.014	
	Heptachlor epoxide	NA	NA	ND<0.050	ND<0.050	0.015	
PAHs by 8270	Benzo (a) anthracene	NA	NA	0.019	0.096	0.41	1206889
	Benzo (b) fluoranthene	NA	NA	0.023	0.098	0.37	
	Benzo (g,h,i) perylene	NA	NA	0.031	0.11	0.31	
	Benzo (a) pyrene	NA	NA	0.016	0.067	0.13	
	Chrysene	NA	NA	0.022	0.087	0.29	
	Fluoranthene	NA	NA	0.025	0.099	0.51	
	Indeno (1,2,3-cd) pyrene	NA	NA	0.016	0.069	0.38	
	Phenanthrene	NA	NA	0.014	0.057	0.24	
	Pyrene	NA	NA	0.036	0.18	0.67	
PCBs by 8082	PCBs, total	NA	NA	ND	ND	0.023	1206889
Asbestos	Asbestos by PLM	NA	NA	ND	ND		1206889_addon_A

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-K = Total Petroleum Hydrocarbons as Kerosene.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
TPH-SS = Total Petroleum Hydrocarbons as Stoddard Solvent
MTBE = Methyl-tert-Butyl Ether
ND = Not Detected.
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethene
DDT = Dichlorodiphenyltrichloroethane
ND = Not Detected.
NA = Not Analyzed.
All results reported in milligrams per kilogram (mg/kg) unless otherwise noted.

McCampbell Analytical, Inc.
"When Quality Counts"

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

Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Reported: 06/15/11
Oakland, CA 94607	Client P.O.:	Date Completed: 06/14/11

WorkOrder: 1106323

June 15, 2011

Dear Donavan:

Enclosed within are:

1) The results of the **11** analyzed samples from your project: **#0553; Cathedral Gardens,**
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

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

BEO

P & D ENVIRONMENTAL, INC.
55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

1106323

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
0553	BASICS - CATHEDRAL GARDENS 2100 Martin Luther King Jr. Way, 616-634 21st St and 635 22nd St OAKLAND

SAMPLED BY: (PRINTED AND SIGNATURE) Michael Deschenes [signature]

ANALYSIS(ES): TRPH(G,D,K, SS, MO, BO); VOC'S; CAM 17 METALS

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	TRPH(G,D,K, SS, MO, BO)	VOC'S	CAM 17 METALS	PRESERVATIVE	REMARKS
B1-0.5	6/9/11	0935	SOIL		1	X	X	X	ICE	NORMAL TURN AROUND
B1-4.5	↓	0940	↓		1	X	X	X	↓	" " "
B1-9.5	↓	0945	↓		1	X	X	X	↓	" " "
B2-0.5	↓	0835	↓		1	X	X	X	↓	" " "
B2-4.5	↓	0840	↓		1	X	X	X	↓	" " "
B2-9.5	↓	0850	↓		1	X	X	X	↓	" " "
B3-0.5	↓	0905	↓		1	X	X	X	↓	" " "
B3-4.5	↓	0910	↓		1	X	X	X	↓	" " "
B3-9.5	↓	0915	↓		1	X	X	X	↓	" " "
B4-4.5	↓	1020	↓		1	X	X	X	↓	" " "
B5-4.5	↓	1035	↓		1	X	X	X	↓	" " "

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)		
[signature]	6/9/11	1304	[signature crossed out]	TOTAL NO. OF SAMPLES (THIS SHIPMENT): 11; TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 11	LABORATORY: McCAMPBELL ANALYTICAL
RELINQUISHED BY: (SIGNATURE) [signature]	6/9/11	1330	RECEIVED BY: (SIGNATURE) [signature]	LABORATORY CONTACT: ANGELA RYDELIUS	LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	

Results and billing to: BASICS AND RESULTS TO P&D Environmental, Inc. lab@pdenviro.com

REMARKS:
ICE/t° 5.6
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

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Sample Receipt Checklist

Client Name: **Basics Environmental**

Date and Time Received: **6/9/2011 1:31:21 PM**

Project Name: **#0553; Cathedral Gardens**

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **1106323** Matrix Soil

Carrier: Rob Pringle (MAI Courier)

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: 5.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
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:

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-001A
Client ID	B1-05
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	91	%SS2:	102
%SS3:	99		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-002A
Client ID	B1-4.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	102
%SS3:	105		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-003A
Client ID	B1-9.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	96	%SS2:	101
%SS3:	103		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

McCampbell Analytical, Inc.
"When Quality Counts"

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

Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-004A
Client ID	B2-0.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	94	%SS2:	101
%SS3:	104		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-005A
Client ID	B2-4.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	93	%SS2:	101
%SS3:	98		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-006A
Client ID	B2-9.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	101
%SS3:	102		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-007A
Client ID	B3-0.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	100
%SS3:	98		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/11/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-008A
Client ID	B3-4.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	95	%SS2:	100
%SS3:	101		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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

Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/11/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-009A
Client ID	B3-9.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	100
%SS3:	103		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/11/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-010A
Client ID	B4-4.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	94	%SS2:	101
%SS3:	104		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/11/11

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 1106323

Lab ID	1106323-011A
Client ID	B5-4.5
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	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	ND	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	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes, Total	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	100
%SS3:	100		

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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed 06/10/11-06/14/11

CAM / CCR 17 Metals*

Lab ID	1106323-001A	1106323-002A	1106323-003A	1106323-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B1-05	B1-4.5	B1-9.5	B2-0.5		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: SW6020 Extraction Method: SW3050B Work Order: 1106323

Dilution Factor	1	1	1	1	1	1
Antimony	0.58	ND	ND	ND	0.5	NA
Arsenic	8.8	1.4	4.3	11	0.5	NA
Barium	210	170	130	230	5.0	NA
Beryllium	0.56	0.54	0.62	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	57	63	69	28	0.5	NA
Cobalt	13	6.5	9.0	10	0.5	NA
Copper	61	21	20	86	0.5	NA
Lead	17	4.4	6.3	10	0.5	NA
Mercury	0.12	ND	ND	0.093	0.05	NA
Molybdenum	0.84	ND	ND	0.92	0.5	NA
Nickel	70	53	79	27	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	63	38	54	65	0.5	NA
Zinc	99	49	41	130	5.0	NA
%SS:	104	104	114	126		

Comments

*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/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.
%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed 06/10/11-06/14/11

CAM / CCR 17 Metals*

Lab ID	1106323-005A	1106323-006A	1106323-007A	1106323-008A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B2-4.5	B2-9.5	B3-0.5	B3-4.5		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: SW6020 Extraction Method: SW3050B Work Order: 1106323

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	1.5	ND	0.5	NA
Arsenic	3.3	5.5	28	1.5	0.5	NA
Barium	220	170	110	81	5.0	NA
Beryllium	0.81	0.56	ND	ND	0.5	NA
Cadmium	ND	ND	0.43	ND	0.25	NA
Chromium	68	58	13	30	0.5	NA
Cobalt	16	8.1	7.3	4.8	0.5	NA
Copper	28	23	22	5.8	0.5	NA
Lead	6.7	6.0	30	12	0.5	NA
Mercury	ND	0.058	0.27	0.070	0.05	NA
Molybdenum	ND	ND	2.6	ND	0.5	NA
Nickel	98	63	10	13	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	0.65	ND	0.5	NA
Thallium	ND	ND	0.77	ND	0.5	NA
Vanadium	59	56	43	25	0.5	NA
Zinc	63	41	190	17	5.0	NA
%SS:	119	113	113	114		

Comments

*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/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.
%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed 06/10/11-06/14/11

CAM / CCR 17 Metals*

Lab ID	1106323-009A	1106323-010A	1106323-011A		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B3-9.5	B4-4.5	B5-4.5			
Matrix	S	S	S		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: SW6020 Extraction Method: SW3050B Work Order: 1106323

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		0.5	NA
Arsenic	3.3	2.2	2.1		0.5	NA
Barium	95	150	140		5.0	NA
Beryllium	0.52	ND	ND		0.5	NA
Cadmium	ND	ND	ND		0.25	NA
Chromium	60	77	74		0.5	NA
Cobalt	5.4	11	15		0.5	NA
Copper	17	11	13		0.5	NA
Lead	4.2	4.8	6.8		0.5	NA
Mercury	ND	0.097	0.095		0.05	NA
Molybdenum	ND	ND	ND		0.5	NA
Nickel	63	40	38		0.5	NA
Selenium	ND	ND	ND		0.5	NA
Silver	ND	ND	ND		0.5	NA
Thallium	ND	ND	ND		0.5	NA
Vanadium	50	50	45		0.5	NA
Zinc	37	39	40		5.0	NA
%SS:	108	126	128			

Comments					

*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/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.
%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Angela Rydelius, Lab Manager

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

Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1106323

Lab ID	1106323-001A	1106323-002A	1106323-003A	1106323-004A	Reporting Limit for DF =1	
Client ID	B1-05	B1-4.5	B1-9.5	B2-0.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND	ND	1.0	NA
TPH(ss)	ND	ND	ND	ND	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	89	90	84	91		
Comments						

* water and vapor samples are reported 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 in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1106323

Lab ID	1106323-005A	1106323-006A	1106323-007A	1106323-008A	Reporting Limit for DF =1	
Client ID	B2-4.5	B2-9.5	B3-0.5	B3-4.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND	ND	1.0	NA
TPH(ss)	ND	ND	ND	ND	1.0	NA
MTBE	ND	ND	ND	ND	0.05	NA
Benzene	ND	ND	ND	ND	0.005	NA
Toluene	ND	ND	ND	ND	0.005	NA
Ethylbenzene	ND	ND	ND	ND	0.005	NA
Xylenes	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS:	96	88	93	85		
Comments						

* water and vapor samples are reported 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 in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B Analytical Method: SW8021B/8015Bm Work Order: 1106323

Lab ID	1106323-009A	1106323-010A	1106323-011A		Reporting Limit for DF =1	
Client ID	B3-9.5	B4-4.5	B5-4.5			
Matrix	S	S	S			
DF	1	1	1		S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH(g)	ND	ND	ND		1.0	NA
TPH(ss)	ND	ND	ND		1.0	NA
MTBE	ND	ND	ND		0.05	NA
Benzene	ND	ND	ND		0.005	NA
Toluene	ND	ND	ND		0.005	NA
Ethylbenzene	ND	ND	ND		0.005	NA
Xylenes	ND	ND	ND		0.005	NA
Surrogate Recoveries (%)						
%SS:	91	91	94			
Comments						

* water and vapor samples are reported 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 in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11-06/14/11

Total Extractable Petroleum Hydrocarbons*

Extraction Method: SW3550B Analytical Method: SW8015B Work Order: 1106323

Lab ID	1106323-001A	1106323-002A	1106323-003A	1106323-004A	Reporting Limit for DF =1	
Client ID	B1-05	B1-4.5	B1-9.5	B2-0.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH-Diesel (C10-C23)	2.5	ND	ND	5.9	1.0	NA
TPH-Motor Oil (C18-C36)	7.5	ND	ND	7.8	5.0	NA
TPH-Bunker Oil (C10-C36)	9.7	ND	ND	9.9	2.0	NA
TPH-Kerosene (C9-C18)	1.4	ND	1.4	3.2	1.0	NA
Surrogate Recoveries (%)						
%SS	114	110	112	113		
Comments	e7,e2		e6	e7,e2		

* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e6) one to a few isolated peaks present in the THP(d/mo) chromatogram
e7) oil range compounds are significant

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

Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11-06/14/11

Total Extractable Petroleum Hydrocarbons*

Extraction Method: SW3550B Analytical Method: SW8015B Work Order: 1106323

Lab ID	1106323-005A	1106323-006A	1106323-007A	1106323-008A	Reporting Limit for DF =1	
Client ID	B2-4.5	B2-9.5	B3-0.5	B3-4.5		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH-Diesel (C10-C23)	ND	ND	4.5	2.4	1.0	NA
TPH-Motor Oil (C18-C36)	ND	ND	15	6.8	5.0	NA
TPH-Bunker Oil (C10-C36)	ND	ND	20	6.9	2.0	NA
TPH-Kerosene (C9-C18)	ND	ND	2.0	1.1	1.0	NA
Surrogate Recoveries (%)						
%SS	109	112	110	114		
Comments			e7,e2	e7,e2		

* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e6) one to a few isolated peaks present in the THP(d/mo) chromatogram
e7) oil range compounds are significant

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

Basics Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/09/11
		Date Received: 06/09/11
655 12th Street, Suite 126	Client Contact: Donavan Tom	Date Extracted: 06/09/11
Oakland, CA 94607	Client P.O.:	Date Analyzed: 06/10/11-06/14/11

Total Extractable Petroleum Hydrocarbons*

Extraction Method: SW3550B Analytical Method: SW8015B Work Order: 1106323

Lab ID	1106323-009A	1106323-010A	1106323-011A		Reporting Limit for DF =1	
Client ID	B3-9.5	B4-4.5	B5-4.5			
Matrix	S	S	S			
DF	1	1	1		S	W
Compound	**Concentration**				mg/Kg	ug/L
TPH-Diesel (C10-C23)	ND	ND	ND		1.0	NA
TPH-Motor Oil (C18-C36)	ND	ND	ND		5.0	NA
TPH-Bunker Oil (C10-C36)	ND	ND	ND		2.0	NA
TPH-Kerosene (C9-C18)	ND	ND	ND		1.0	NA
Surrogate Recoveries (%)						
%SS	111	117	116			
Comments						

* 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.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e6) one to a few isolated peaks present in the THP(d/mo) chromatogram
e7) oil range compounds are significant

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"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 58905 WorkOrder: 1106323

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 1106245-005A**

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
tert-Amyl methyl ether (TAME)	ND	0.050	82.6	80.9	2.12	78.9	80.5	2.02	70 - 130	30	70 - 130	30
Benzene	ND	0.050	111	111	0	106	107	1.06	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	94.4	92.2	2.34	94.9	95.9	1.01	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	113	113	0	101	103	2.33	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	98.4	96.6	1.77	97.4	96.9	0.553	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	99.3	96.9	2.37	91.7	99.2	7.90	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	110	110	0	104	106	1.37	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	109	109	0	108	109	1.37	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	102	101	1.54	98.5	101	2.45	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	106	104	1.69	103	104	0.240	70 - 130	30	70 - 130	30
Toluene	ND	0.050	120	118	1.64	112	113	1.01	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	114	112	1.94	101	103	2.61	70 - 130	30	70 - 130	30
%SS1:	93	0.12	88	88	0	87	88	1.58	70 - 130	30	70 - 130	30
%SS2:	101	0.12	107	107	0	105	105	0	70 - 130	30	70 - 130	30
%SS3:	102	0.012	100	96	4.69	103	98	4.71	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 58905 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106323-001A	06/09/11 9:35 AM	06/09/11	06/10/11 2:24 PM	1106323-002A	06/09/11 9:40 AM	06/09/11	06/10/11 5:34 PM
1106323-003A	06/09/11 9:45 AM	06/09/11	06/10/11 6:22 PM	1106323-004A	06/09/11 8:35 AM	06/09/11	06/10/11 7:10 PM
1106323-005A	06/09/11 8:40 AM	06/09/11	06/10/11 10:22 PM	1106323-006A	06/09/11 8:50 AM	06/09/11	06/10/11 11:09 PM
1106323-007A	06/09/11 9:05 AM	06/09/11	06/10/11 11:56 PM	1106323-008A	06/09/11 9:10 AM	06/09/11	06/11/11 12:44 AM
1106323-009A	06/09/11 9:15 AM	06/09/11	06/11/11 1:31 AM	1106323-010A	06/09/11 10:20 AM	06/09/11	06/11/11 2:18 AM
1106323-011A	06/09/11 10:35 AM	06/09/11	06/11/11 3:06 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.

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

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QA/QC Officer

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

QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 58921 WorkOrder: 1106323

EPA Method: SW8015B **Extraction: SW3550B** **Spiked Sample ID: 1106265-001A**

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)	58	40	81.9	120	15.8	98	97.6	0.348	70 - 130	30	70 - 130	30
TPH-Motor Oil (C18-C36)	320	40	NR	NR	NR	47.2	47.5	0.627	70 - 130	30	70 - 130	30
TPH-Bunker Oil (C10-C36)	400	40	NR	NR	NR	116	116	0	70 - 130	30	70 - 130	30
TPH-Kerosene (C9-C18)	ND	40	120	139	14.5	90.7	89.8	0.974	70 - 130	30	70 - 130	30
%SS:	100	25	101	117	14.9	84	84	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 58921 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106323-001A	06/09/11 9:35 AM	06/09/11	06/10/11 1:45 AM	1106323-002A	06/09/11 9:40 AM	06/09/11	06/10/11 2:53 AM
1106323-003A	06/09/11 9:45 AM	06/09/11	06/12/11 3:35 AM	1106323-004A	06/09/11 8:35 AM	06/09/11	06/14/11 4:39 AM
1106323-005A	06/09/11 8:40 AM	06/09/11	06/10/11 7:25 AM	1106323-006A	06/09/11 8:50 AM	06/09/11	06/12/11 2:28 AM
1106323-007A	06/09/11 9:05 AM	06/09/11	06/14/11 8:11 AM	1106323-008A	06/09/11 9:10 AM	06/09/11	06/10/11 9:45 AM
1106323-009A	06/09/11 9:15 AM	06/09/11	06/14/11 2:19 AM	1106323-010A	06/09/11 10:20 AM	06/09/11	06/14/11 5:49 AM
1106323-011A	06/09/11 10:35 AM	06/09/11	06/14/11 6:59 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.

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QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 1106323

EPA Method: SW6020		Extraction: SW3050B			BatchID: 58923			Spiked Sample ID: 1106265-001A				
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
Antimony	0.63	50	104	103	1.05	10	94	95	1.10	75 - 125	20	75 - 125	20
Arsenic	2.9	50	102	101	1.23	10	96.8	98.5	1.82	75 - 125	20	75 - 125	20
Barium	54	500	106	105	0.754	100	102	103	1.07	75 - 125	20	75 - 125	20
Beryllium	ND	50	101	98.1	2.55	10	102	104	2.24	75 - 125	20	75 - 125	20
Cadmium	ND	50	102	99.6	1.95	10	94.5	94.7	0.190	75 - 125	20	75 - 125	20
Chromium	260	50	NR	NR	NR	10	101	106	4.63	75 - 125	20	75 - 125	20
Cobalt	51	50	86.5	87.1	0.308	10	99.1	102	3.15	75 - 125	20	75 - 125	20
Copper	20	50	104	102	1.34	10	104	109	4.51	75 - 125	20	75 - 125	20
Lead	34	50	103	102	0.950	10	94.8	96.8	2.00	75 - 125	20	75 - 125	20
Mercury	0.077	1.25	97.3	94.8	2.50	0.25	94	93	1.07	75 - 125	20	75 - 125	20
Molybdenum	0.59	50	94	92.7	1.33	10	85.5	87.2	1.99	75 - 125	20	75 - 125	20
Nickel	1100	50	NR	NR	NR	10	97.7	100	2.82	75 - 125	20	75 - 125	20
Selenium	ND	50	101	98.7	2.24	10	99.8	105	4.84	75 - 125	20	75 - 125	20
Silver	ND	50	106	105	0.700	10	106	106	0	75 - 125	20	75 - 125	20
Thallium	ND	50	102	99.7	2.55	10	91.8	93	1.29	75 - 125	20	75 - 125	20
Vanadium	44	50	90.5	88.2	1.33	10	97.3	102	4.66	75 - 125	20	75 - 125	20
Zinc	59	500	109	106	2.34	100	102	107	4.21	75 - 125	20	75 - 125	20
%SS:	108	500	101	103	1.88	500	99	100	1.11	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 58923 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106323-001A	06/09/11 9:35 AM	06/09/11	06/10/11 8:59 PM	1106323-002A	06/09/11 9:40 AM	06/09/11	06/10/11 9:05 PM
1106323-003A	06/09/11 9:45 AM	06/09/11	06/10/11 9:12 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 1106323

EPA Method: SW6020			Extraction: SW3050B			BatchID: 58966			Spiked Sample ID: 1106323-011A				
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
Antimony	ND	50	115	104	10.7	10	106	109	2.78	75 - 125	20	75 - 125	20
Arsenic	2.1	50	116	105	9.89	10	113	116	2.97	75 - 125	20	75 - 125	20
Barium	140	500	116	101	11.0	100	119	120	1.09	75 - 125	20	75 - 125	20
Beryllium	ND	50	109	97.4	11.0	10	111	116	3.88	75 - 125	20	75 - 125	20
Cadmium	ND	50	113	102	10.6	10	105	108	2.54	75 - 125	20	75 - 125	20
Chromium	74	50	NR	NR	NR	10	118	121	2.52	75 - 125	20	75 - 125	20
Cobalt	15	50	107	92.2	11.4	10	115	118	2.57	75 - 125	20	75 - 125	20
Copper	13	50	118	103	11.5	10	118	121	2.68	75 - 125	20	75 - 125	20
Lead	6.8	50	117	104	11.1	10	109	112	2.71	75 - 125	20	75 - 125	20
Mercury	0.095	1.25	107	94.1	11.7	0.25	106	112	5.41	75 - 125	20	75 - 125	20
Molybdenum	ND	50	108	92.5	14.9	10	100	103	2.95	75 - 125	20	75 - 125	20
Nickel	38	50	107	90.2	9.82	10	114	116	2.44	75 - 125	20	75 - 125	20
Selenium	ND	50	115	104	10.1	10	112	115	2.82	75 - 125	20	75 - 125	20
Silver	ND	50	102	100	1.96	10	109	112	2.63	75 - 125	20	75 - 125	20
Thallium	ND	50	111	99.3	10.9	10	103	106	2.86	75 - 125	20	75 - 125	20
Vanadium	45	50	99.7	83.2	9.06	10	116	118	1.80	75 - 125	20	75 - 125	20
Zinc	40	500	121	108	10.2	100	116	120	2.97	75 - 125	20	75 - 125	20
%SS:	128	500	120	108	9.84	500	115	118	2.43	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 58966 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106323-004A	06/09/11 8:35 AM	06/09/11	06/10/11 9:18 PM	1106323-005A	06/09/11 8:40 AM	06/09/11	06/10/11 9:24 PM
1106323-006A	06/09/11 8:50 AM	06/09/11	06/10/11 9:48 PM	1106323-007A	06/09/11 9:05 AM	06/09/11	06/14/11 3:48 AM
1106323-008A	06/09/11 9:10 AM	06/09/11	06/14/11 3:55 AM	1106323-009A	06/09/11 9:15 AM	06/09/11	06/14/11 4:02 AM
1106323-010A	06/09/11 10:20 AM	06/09/11	06/14/11 4:09 AM	1106323-011A	06/09/11 10:35 AM	06/09/11	06/10/11 10:20 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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 58948 WorkOrder: 1106323

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1106288-004A**

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
MTBE	ND	0.10	100	103	2.81	105	99.9	4.83	70 - 130	20	70 - 130	20
Benzene	ND	0.10	96.4	99.9	3.62	97.3	93.7	3.83	70 - 130	20	70 - 130	20
Toluene	ND	0.10	98.3	102	4.03	99.3	95.5	3.83	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	103	107	4.17	104	99.5	4.23	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	102	106	3.32	103	99.7	3.16	70 - 130	20	70 - 130	20
%SS:	105	0.10	94	103	9.18	97	98	1.19	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 58948 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106323-001A	06/09/11 9:35 AM	06/09/11	06/10/11 12:55 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.

£ 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.

DHS ELAP Certification 1644 QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 58967 WorkOrder: 1106323

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1106323-011A**

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
MTBE	ND	0.10	124	117	5.98	117	119	1.72	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.9	91.8	1.06	93.6	89.5	4.48	70 - 130	20	70 - 130	20
Toluene	ND	0.10	89.1	90	1.03	91.8	88.1	4.09	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	90.7	92.5	1.98	93.2	90.3	3.10	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	90	91.7	1.81	92.7	90.2	2.74	70 - 130	20	70 - 130	20
%SS:	94	0.10	80	83	4.68	80	73	9.43	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 58967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1106323-002A	06/09/11 9:40 AM	06/09/11	06/10/11 2:56 PM	1106323-003A	06/09/11 9:45 AM	06/09/11	06/10/11 12:57 AM
1106323-004A	06/09/11 8:35 AM	06/09/11	06/10/11 12:25 PM	1106323-005A	06/09/11 8:40 AM	06/09/11	06/10/11 3:57 PM
1106323-006A	06/09/11 8:50 AM	06/09/11	06/10/11 4:27 PM	1106323-007A	06/09/11 9:05 AM	06/09/11	06/10/11 3:27 PM
1106323-008A	06/09/11 9:10 AM	06/09/11	06/10/11 1:56 PM	1106323-009A	06/09/11 9:15 AM	06/09/11	06/10/11 2:26 PM
1106323-010A	06/09/11 10:20 AM	06/09/11	06/10/11 1:26 PM	1106323-011A	06/09/11 10:35 AM	06/09/11	06/10/11 4:58 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.

£ 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.

DHS ELAP Certification 1644 QA/QC Officer

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Analytical Report

P & D Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/28/12
		Date Received: 06/29/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 07/05/12
Oakland, CA 94610	Client P.O.:	Date Completed: 07/03/12

WorkOrder: 1206889

July 06, 2012

Dear Paul:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#0553; Cathedral Gardens,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens, Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	Organochlorine Pesticides by 8081	PCBs by 8082	PAH SIM by 8270	PRESERVATIVE	REMARKS
B1 A	6/28/12		Soil		1	X	X	X	ICE	Normal Turn Around
B2A	"		"		1	X	X	X	"	"
B3A	"		"		1	X	X	X	"	"
B4A	"		"		1	X	X	X	"	"
B5A	"		"		1	X	X	X	"	"

ICE/°C 3.4
GOOD CONDITION _____ APPROPRIATE
HEAD SPACE ABSENT _____ CONTAINERS _____
DECHLORINATED IN LAB _____ PRESERVED IN LAB _____

PRESERVATION	VOAS	O&G	METALS	OTHER

RELINQUISHED BY: (SIGNATURE) Paul H. King	DATE 6/29/12	TIME 1418	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 5	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 6/29/12	TIME 1515	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 5	LABORATORY CONTACT: Angela Rydelius / LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1206889 **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0553; Cathedral Gardens

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 5 days

Date Received: **06/29/2012**
Date Printed: **06/29/2012**

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
1206889-001	B1A	Soil	6/28/2012	☐	A	A										
1206889-002	B2A	Soil	6/28/2012	☐	A	A										
1206889-003	B3A	Soil	6/28/2012	☐	A	A										
1206889-004	B4A	Soil	6/28/2012	☐	A	A										
1206889-005	B5A	Soil	6/28/2012	☐	A	A										

Test Legend:

1	8081PCB_S	2	8270D-PNA_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

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.

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Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **6/29/2012 3:24:31 PM**

Project Name: **#0553; Cathedral Gardens**
LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1206889** Matrix: Soil
Carrier: Rob Pringle (MAI Courier)

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: 3.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
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.*

Comments:

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/28/12
		Date Received: 06/29/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 06/29/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 06/30/12

Organochlorine Pesticides (8080 Basic Target List) + PCBs

Extraction Method: SW3550B | Analytical Method: SW8081A/8082 | Work Order: 1206889

Lab ID	1206889-001A	1206889-002A	1206889-003A	1206889-004A	Reporting Limit for DF =1	
Client ID	B1A	B2A	B3A	B4A		
Matrix	S	S	S	S	S	W
DF	10	1	10	50		
Compound	**Concentration**				mg/kg	µg/L
Aldrin	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
a-BHC	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
b-BHC	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
d-BHC	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
g-BHC	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Chlordane (Technical)	3.7	ND	ND<0.25	ND<1.2	0.025	NA
a-Chlordane	0.25	ND	ND<0.010	ND<0.050	0.001	NA
g-Chlordane	0.42	ND	ND<0.010	ND<0.050	0.001	NA
p,p-DDD	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
p,p-DDE	ND<0.010	0.010	ND<0.010	ND<0.050	0.001	NA
p,p-DDT	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Dieldrin	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Endosulfan I	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Endosulfan II	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Endosulfan sulfate	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Endrin	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Endrin aldehyde	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Endrin ketone	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Heptachlor	0.31	ND	ND<0.010	ND<0.050	0.001	NA
Heptachlor epoxide	0.069	ND	ND<0.010	ND<0.050	0.001	NA
Hexachlorobenzene	ND<0.10	ND	ND<0.10	ND<0.50	0.01	NA
Hexachlorocyclopentadiene	ND<0.20	ND	ND<0.20	ND<1.0	0.02	NA
Methoxychlor	ND<0.010	ND	ND<0.010	ND<0.050	0.001	NA
Toxaphene	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1016	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1221	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1232	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1242	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1248	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1254	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Aroclor1260	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
PCBs, total	ND<0.50	ND	ND<0.50	ND<2.5	0.05	NA
Surrogate Recoveries (%)						
%SS:	79	88	80	97		
Comments			a3	a3		

* soil/sludge/solid samples in mg/kg.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak

a3) sample diluted due to high organic content.

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P & D Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/28/12
		Date Received: 06/29/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 06/29/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 06/30/12

Organochlorine Pesticides (8080 Basic Target List) + PCBs

Extraction Method: SW3550B | Analytical Method: SW8081A/8082 | Work Order: 1206889

					Reporting Limit for DF =1	
Lab ID	1206889-005A					
Client ID	B5A					
Matrix	S				S	W
DF	50					
Compound	**Concentration**				mg/kg	µg/L
Aldrin	ND<0.050				0.001	NA
a-BHC	ND<0.050				0.001	NA
b-BHC	ND<0.050				0.001	NA
d-BHC	ND<0.050				0.001	NA
g-BHC	ND<0.050				0.001	NA
Chlordane (Technical)	ND<1.2				0.025	NA
a-Chlordane	ND<0.050				0.001	NA
g-Chlordane	ND<0.050				0.001	NA
p,p-DDD	ND<0.050				0.001	NA
p,p-DDE	ND<0.050				0.001	NA
p,p-DDT	ND<0.050				0.001	NA
Dieldrin	ND<0.050				0.001	NA
Endosulfan I	ND<0.050				0.001	NA
Endosulfan II	ND<0.050				0.001	NA
Endosulfan sulfate	ND<0.050				0.001	NA
Endrin	ND<0.050				0.001	NA
Endrin aldehyde	ND<0.050				0.001	NA
Endrin ketone	ND<0.050				0.001	NA
Heptachlor	ND<0.050				0.001	NA
Heptachlor epoxide	ND<0.050				0.001	NA
Hexachlorobenzene	ND<0.50				0.01	NA
Hexachlorocyclopentadiene	ND<1.0				0.02	NA
Methoxychlor	ND<0.050				0.001	NA
Toxaphene	ND<2.5				0.05	NA
Aroclor1016	ND<2.5				0.05	NA
Aroclor1221	ND<2.5				0.05	NA
Aroclor1232	ND<2.5				0.05	NA
Aroclor1242	ND<2.5				0.05	NA
Aroclor1248	ND<2.5				0.05	NA
Aroclor1254	ND<2.5				0.05	NA
Aroclor1260	ND<2.5				0.05	NA
PCBs, total	ND<2.5				0.05	NA
Surrogate Recoveries (%)						
%SS:	84					
Comments	a3					

* soil/sludge/solid samples in mg/kg.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak

a3) sample diluted due to high organic content.

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P & D Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/28/12
		Date Received: 06/29/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 06/29/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 06/29/12-07/02/12

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3550B | Analytical Method: SW8270C-SIM | Work Order: 1206889

Lab ID	1206889-001A	1206889-002A	1206889-003A	1206889-004A	Reporting Limit for DF =1	
Client ID	B1A	B2A	B3A	B4A		
Matrix	S	S	S	S		
DF	1	1	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND	ND	ND	0.01	NA
Acenaphthylene	ND	ND	ND	ND	0.01	NA
Anthracene	ND	ND	ND	ND	0.01	NA
Benzo (a) anthracene	ND	ND	0.012	0.019	0.01	NA
Benzo (b) fluoranthene	ND	ND	ND	0.023	0.01	NA
Benzo (k) fluoranthene	ND	ND	ND	ND	0.01	NA
Benzo (g,h,i) perylene	ND	ND	0.013	0.031	0.01	NA
Benzo (a) pyrene	ND	ND	ND	0.016	0.01	NA
Chrysene	ND	ND	ND	0.022	0.01	NA
Dibenzo (a,h) anthracene	ND	ND	ND	ND	0.01	NA
Fluoranthene	ND	ND	ND	0.025	0.01	NA
Fluorene	ND	ND	ND	ND	0.01	NA
Indeno (1,2,3-cd) pyrene	ND	ND	ND	0.016	0.01	NA
1-Methylnaphthalene	ND	ND	ND	ND	0.01	NA
2-Methylnaphthalene	ND	ND	ND	ND	0.01	NA
Naphthalene	ND	ND	ND	ND	0.01	NA
Phenanthrene	ND	ND	ND	0.014	0.01	NA
Pyrene	ND	ND	0.016	0.036	0.01	NA
Surrogate Recoveries (%)						
%SS1	87	89	96	97		
%SS2	88	93	100	104		
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/method detection limit; N/A means analyte not applicable to this ND means not detected at or above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0553; Cathedral Gardens	Date Sampled: 06/28/12
		Date Received: 06/29/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 06/29/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 06/29/12-07/02/12

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3550B | Analytical Method: SW8270C-SIM | Work Order: 1206889

						Reporting Limit for DF =1	
Lab ID	1206889-005A						
Client ID	B5A						
Matrix	S						
DF	5					S	W
Compound	**Concentration**					mg/kg	ug/L
Acenaphthene	ND<0.050					0.01	NA
Acenaphthylene	ND<0.050					0.01	NA
Anthracene	ND<0.050					0.01	NA
Benzo (a) anthracene	0.096					0.01	NA
Benzo (b) fluoranthene	0.098					0.01	NA
Benzo (k) fluoranthene	ND<0.050					0.01	NA
Benzo (g,h,i) perylene	0.11					0.01	NA
Benzo (a) pyrene	0.067					0.01	NA
Chrysene	0.087					0.01	NA
Dibenzo (a,h) anthracene	ND<0.050					0.01	NA
Fluoranthene	0.099					0.01	NA
Fluorene	ND<0.050					0.01	NA
Indeno (1,2,3-cd) pyrene	0.069					0.01	NA
1-Methylnaphthalene	ND<0.050					0.01	NA
2-Methylnaphthalene	ND<0.050					0.01	NA
Naphthalene	ND<0.050					0.01	NA
Phenanthrene	0.057					0.01	NA
Pyrene	0.18					0.01	NA
Surrogate Recoveries (%)							
%SS1	93						
%SS2	96						
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/method detection limit; N/A means analyte not applicable to this ND means not detected at or above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

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

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8081A/8082

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 68728 | WorkOrder: 1206889

EPA Method: SW8081A/8082 **Extraction: SW3550B** **Spiked Sample ID: 1206914-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	ND	0.020	91.5	92	0.542	85.3	70 - 130	30	70 - 130
g-BHC	ND	0.020	82.6	83.5	1.16	87.2	70 - 130	30	70 - 130
p,p-DDT	ND	0.050	78.1	77.9	0.329	100	70 - 130	30	70 - 130
Dieldrin	ND	0.050	94	93.9	0.138	109	70 - 130	30	70 - 130
Endrin	ND	0.050	97.7	96.8	0.953	97.2	70 - 130	30	70 - 130
Heptachlor	ND	0.020	108	108	0	84.8	70 - 130	30	70 - 130
%SS:	89	0.050	83	90	7.65	95	70 - 130	30	70 - 130

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

BATCH 68728 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1206889-001A	06/28/12	06/29/12	06/30/12 11:47 AM	1206889-002A	06/28/12	06/29/12	06/30/12 9:53 AM
1206889-003A	06/28/12	06/29/12	06/30/12 10:50 AM	1206889-004A	06/28/12	06/29/12	06/30/12 12:44 PM
1206889-005A	06/28/12	06/29/12	06/30/12 1:42 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.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 68748 | WorkOrder: 1206889

EPA Method: SW8270C-SIM **Extraction: SW3550B** **Spiked Sample ID: 1206889-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Benzo (a) pyrene	ND	0.20	98.2	101	3.13	88.8	30 - 130	30	30 - 130
Chrysene	ND	0.20	97.7	104	6.62	99.1	30 - 130	30	30 - 130
1-Methylnaphthalene	ND	0.20	111	123	10.4	111	30 - 130	30	30 - 130
2-Methylnaphthalene	ND	0.20	98.4	99.3	0.969	96.7	30 - 130	30	30 - 130
Phenanthrene	ND	0.20	107	108	0.912	102	30 - 130	30	30 - 130
Pyrene	ND	0.20	90	95.3	5.74	95.7	30 - 130	30	30 - 130
%SS1:	89	2	89	91	2.47	90	30 - 130	30	30 - 130
%SS2:	93	2	93	92	0.590	96	30 - 130	30	30 - 130

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

BATCH 68748 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1206889-001A	06/28/12	06/29/12	06/30/12 12:56 AM	1206889-002A	06/28/12	06/29/12	06/29/12 11:40 PM
1206889-003A	06/28/12	06/29/12	07/02/12 4:52 PM	1206889-004A	06/28/12	06/29/12	07/02/12 9:10 PM
1206889-005A	06/28/12	06/29/12	07/02/12 7:02 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.

DHS ELAP Certification 1644

QA/QC Officer

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Analytical Report

P & D Environmental	Client Project ID: #0553; Cathedral Gardens-Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 08/01/12
Oakland, CA 94610	Client P.O.:	Date Completed: 08/01/12

WorkOrder: 1207741 A

August 01, 2012

Dear Paul:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#0553; Cathedral Gardens-Oakland,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

120774

PAGE 1 OF 2

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul M. King / Paul M. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): Organochlorine Pesticides by 8081	WET with analysis for Cu (Total)	PRESERVATIVE	REMARKS
T1-1	7/29/12		Soil		1			ICE	HOLD
T1-2	"		"		1	X		"	24 Hr RUSH
T1-3	"		"		1			"	HOLD
T1-4	"		"		1		X	"	24 Hr RUSH
T1-5	"		"		1			"	HOLD
T2-1	"		"		1	⊗		"	#
T2-2	"		"		1			"	"
T2-3	"		"		1			"	"
T2-4	"		"		1		X	"	24 Hr RUSH
T2-5	"		"		1			"	HOLD
T3-1	"		"		1	⊗		"	#
T5-2	"		"		1			"	"
T3-3	"		"		1			"	"
T3-4	"		"		1			"	"
T3-5	"		"		1			"	"

RELINQUISHED BY: (SIGNATURE) Paul M. King — DATE 7/30/12 — TIME 1500 — RECEIVED BY: (SIGNATURE)

Total No. of Samples (This Shipment): 30
Total No. of Containers (This Shipment): 30

LABORATORY: McCampbell Analytical

RELINQUISHED BY: (SIGNATURE) — DATE 7/30/12 — TIME 1558 — RECEIVED BY: (SIGNATURE)

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (877) 252-9262

RELINQUISHED BY: (SIGNATURE) — DATE ✓ — TIME — RECEIVED FOR LABORATORY BY: (SIGNATURE) ✓

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

ICE / t° 5.4c
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___

REMARKS: ⊗ added 7/31/12 24hr

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

CHAIN OF CUSTODY RECORD

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul W. King Paul W. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): Total Arsenic EDB	PRESERVATIVE	REMARKS
T4 -1	7/29/12		Soil		1	⊗	ICE	~~HOLD~~
T4 -2	"		"		1	⊗	"	"
T4 -3	"		"		1		"	"
T4 -4	"		"		1		"	"
T4 -5	"		"		1		"	"
T5-1	"		"		1	⊗	"	~~HOLD~~
T5 -2	"		"		1	X ⊗	"	24 Hr RUSH
T5 -3	"		"		1		"	HOLD
T5 -4	"		"		1	X	"	24 Hr RUSH
T5 -5	"		"		1		"	HOLD
T6 -1	"		"		1	X	"	24 Hr RUSH
T6 -2	"		"		1		"	HOLD
T6 -3	"		"		1		"	"
T6 -4	"		"		1	X	"	24 Hr RUSH
T6 -5	"		"		1		"	HOLD

RELINQUISHED BY: (SIGNATURE) Paul W. King	DATE 7/30/12	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 30 Total No. of Containers (This Shipment) 30	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 7/30/12	TIME 1558	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: ⊗ added 7/31/12 24hr

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1207741 A **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0553; Cathedral Gardens-Oakland

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 1 day
Date Received: 07/30/2012
Date Add-On: 07/31/2012
Date Printed: 07/31/2012

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
1207741-006	T2-1	Soil	7/29/2012	☐	A											
1207741-011	T3-1	Soil	7/29/2012	☐	A											
1207741-016	T4-1	Soil	7/29/2012	☐	A											
1207741-017	T4-2	Soil	7/29/2012	☐	A											
1207741-021	T5-1	Soil	7/29/2012	☐	A											
1207741-022	T5-2	Soil	7/29/2012	☐	A											

Test Legend:

1	8081_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: J Flag 8081 ESL. 8081 added 7/31/12 24hr per email.

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.

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P & D Environmental	Client Project ID: #0553; Cathedral Gardens-Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/31/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 08/01/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207741

Lab ID	1207741-006A	1207741-011A	1207741-016A	1207741-017A	Reporting Limit for DF =1	
Client ID	T2-1	T3-1	T4-1	T4-2		
Matrix	S	S	S	S		
DF	1	1	1	1	MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND	ND	ND	0.00027	0.001
a-BHC	ND	ND	ND	ND	0.0001	0.001
b-BHC	ND	ND	ND	ND	0.00025	0.001
d-BHC	ND	ND	ND	ND	0.00037	0.001
g-BHC	ND	ND	ND	ND	0.000097	0.001
Chlordane (Technical)	ND	ND	ND	ND	0.016	0.025
a-Chlordane	ND	ND	0.0019	ND	0.00047	0.001
g-Chlordane	ND	ND	0.0019	ND	0.00021	0.001
p,p-DDD	ND	ND	0.0012	ND	0.00014	0.001
p,p-DDE	ND	ND	0.00033,J	ND	0.00032	0.001
p,p-DDT	ND	ND	0.0013	ND	0.00043	0.001
Dieldrin	ND	0.0029	0.0031	ND	0.00033	0.001
Endosulfan I	ND	ND	ND	ND	0.00065	0.001
Endosulfan II	ND	ND	ND	ND	0.0002	0.001
Endosulfan sulfate	ND	ND	ND	ND	0.00063	0.001
Endrin	ND	ND	ND	ND	0.00097	0.001
Endrin aldehyde	ND	ND	ND	ND	0.0002	0.001
Endrin ketone	ND	ND	ND	ND	0.00013	0.001
Heptachlor	ND	ND	ND	ND	0.00021	0.001
Heptachlor epoxide	ND	ND	ND	ND	0.0002	0.001
Hexachlorobenzene	ND	ND	ND	ND	0.00027	0.01
Hexachlorocyclopentadiene	ND	ND	ND	ND	0.0004	0.02
Methoxychlor	ND	ND	ND	ND	0.00089	0.001
Toxaphene	ND	ND	ND	ND	0.035	0.05
Surrogate Recoveries (%)						
%SS:	80	107	88	81		
Comments						

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits

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P & D Environmental	Client Project ID: #0553; Cathedral Gardens-Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/31/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 08/01/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207741

Lab ID	1207741-021A	1207741-022A			Reporting Limit for DF =1	
Client ID	T5-1	T5-2				
Matrix	S	S				
DF	1	1			MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND			0.00027	0.001
a-BHC	ND	ND			0.0001	0.001
b-BHC	ND	ND			0.00025	0.001
d-BHC	ND	ND			0.00037	0.001
g-BHC	ND	ND			0.000097	0.001
Chlordane (Technical)	ND	ND			0.016	0.025
a-Chlordane	ND	ND			0.00047	0.001
g-Chlordane	ND	ND			0.00021	0.001
p,p-DDD	ND	ND			0.00014	0.001
p,p-DDE	ND	ND			0.00032	0.001
p,p-DDT	ND	ND			0.00043	0.001
Dieldrin	ND	ND			0.00033	0.001
Endosulfan I	ND	ND			0.00065	0.001
Endosulfan II	ND	ND			0.0002	0.001
Endosulfan sulfate	ND	ND			0.00063	0.001
Endrin	ND	ND			0.00097	0.001
Endrin aldehyde	ND	ND			0.0002	0.001
Endrin ketone	ND	ND			0.00013	0.001
Heptachlor	ND	ND			0.00021	0.001
Heptachlor epoxide	ND	ND			0.0002	0.001
Hexachlorobenzene	ND	ND			0.00027	0.01
Hexachlorocyclopentadiene	ND	ND			0.0004	0.02
Methoxychlor	ND	ND			0.00089	0.001
Toxaphene	ND	ND			0.035	0.05
Surrogate Recoveries (%)						
%SS:	86	90				
Comments						

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits

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QC SUMMARY REPORT FOR SW8081A

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 69463 | WorkOrder: 1207741

EPA Method: SW8081A **Extraction: SW3550B** **Spiked Sample ID: 1207695-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	ND<0.02	0.050	NR	NR	NR	89	N/A	N/A	70 - 130
g-BHC	ND<0.02	0.050	NR	NR	NR	86.6	N/A	N/A	70 - 130
p,p-DDT	0.11	0.050	NR	NR	NR	103	N/A	N/A	70 - 130
Dieldrin	0.039	0.050	NR	NR	NR	109	N/A	N/A	70 - 130
Endrin	ND<0.02	0.050	NR	NR	NR	97.9	N/A	N/A	70 - 130
Heptachlor	ND<0.02	0.050	NR	NR	NR	82.2	N/A	N/A	70 - 130
%SS:	106	0.050	NR	NR	NR	105	N/A	N/A	70 - 130

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

BATCH 69463 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1207741-006A	07/29/12	07/31/12	08/01/12 2:50 PM	1207741-011A	07/29/12	07/31/12	08/01/12 3:57 PM
1207741-016A	07/29/12	07/31/12	08/01/12 2:37 AM	1207741-017A	07/29/12	07/31/12	08/01/12 3:26 PM
1207741-021A	07/29/12	07/31/12	08/01/12 1:23 AM	1207741-022A	07/29/12	07/31/12	08/01/12 2:00 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.

surrogate diluted out of range or surrogate coelutes with another peak

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

NR = matrix inteference 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.

DHS ELAP Certification 1644

QA/QC Officer

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Analytical Report

P & D Environmental	Client Project ID: #0553; Cathedral Gardens-Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 08/10/12
Oakland, CA 94610	Client P.O.:	Date Completed: 08/10/12

WorkOrder: 1207741 **B**

August 10, 2012

Dear Paul:

Enclosed within are:

1) The results of the **8** analyzed samples from your project: **#0553; Cathedral Gardens-Oakland,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

120774

PAGE 1 OF 2

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul M. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): Organochlorine Pesticides by 8081	WET with analysis for Cr (total)	PRESERVATIVE	REMARKS
T1-1	7/29/12		Soil		1			ICE	HOLD
T1-2	"		"		1	X		"	24 Hr RUSH
T1-3	"		"		1	⊗		"	~~HOLD~~
T1-4	"		"		1		X	"	24 Hr RUSH
T1-5	"		"		1			"	HOLD
									"
T2-1	"		"		1	⊗		"	"
T2-2	"		"		1			"	"
T2-3	"		"		1			"	"
T2-4	"		"		1		X	"	24 Hr RUSH
T2-5	"		"		1			"	HOLD
T3-1	"		"		1	⊗		"	"
T5-2	"		"		1	⊗		"	"
T3-3	"		"		1			"	"
T3-4	"		"		1			"	"
T3-5	"		"		1			"	"

RELINQUISHED BY: (SIGNATURE) Paul M. King	DATE 7/30/12	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 30	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 7/30/12	TIME 1558	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 30	LABORATORY CONTACT: Angela Rydelius
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	LABORATORY PHONE NUMBER: (877) 252-9262	
				SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	

ICE / t° 5.4c

GOOD CONDITION ✓ APPROPRIATE CONTAINERS ____

HEAD SPACE ABSENT ____ PRESERVED IN LAB ____

DECHLORINATED IN LAB ____

VOAS | O&G | METALS | OTHER

PRESERVATION ____

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS:

⊗ added 7/31/12 24hr

⊗ added 8/8/12 48hr

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul W. King Paul W. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): Total Arsenic	EDB	Arsenic	Asbestos	PRESERVATIVE	REMARKS
T4 -1	7/24/12		Soil		1		⊗			ICE	~~HOLD~~
T4 -2	"		"		1		⊗			"	"
T4 -3	"		"		1					"	"
T4 -4	"		"		1					"	"
T4 -5	"		"		1					"	"
T5 -1	"		"		1	~~X~~	⊗	⊗		"	~~HOLD~~
T5 -2	"		"		1	X	⊗		⊗	"	24 Hr RUSH
T5 -3	"		"		1					"	HOLD
T5 -4	"		"		1	X		⊗		"	24 Hr RUSH
T5 -5	"		"		1			⊗		"	~~HOLD~~
T6 -1	"		"		1	X		⊗		"	24 Hr RUSH
T6 -2	"		"		1					"	~~HOLD~~
T6 -3	"		"		1					"	"
T6 -4	"		"		1	X		⊗		"	24 Hr RUSH
T6 -5	"		"		1					"	HOLD

RELINQUISHED BY: (SIGNATURE) Paul W. King	DATE 7/30/12	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 30 / Total No. of Containers (This Shipment) 30
RELINQUISHED BY: (SIGNATURE)	DATE 7/30/12	TIME 1558	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Ryddins
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

LABORATORY: McCampbell Analytical

LABORATORY PHONE NUMBER: (877) 252-9262

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: ⊗ added 7/31/12 24hr
⊗ added 8/8/12 48hr

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1207741 B **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0553; Cathedral Gardens-Oakland

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 1 day
Date Received: 07/30/2012
Date Add-On: 08/08/2012
Date Printed: 08/08/2012

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
1207741-003	T1-3	Soil	7/29/2012	☐	A											
1207741-012	T3-2	Soil	7/29/2012	☐	A											
1207741-021	T5-1	Soil	7/29/2012	☐			A									
1207741-022	T5-2	Soil	7/29/2012	☐		A										
1207741-024	T5-4	Soil	7/29/2012	☐		A										
1207741-025	T5-5	Soil	7/29/2012	☐		A										
1207741-026	T6-1	Soil	7/29/2012	☐		A										
1207741-029	T6-4	Soil	7/29/2012	☐		A										

Test Legend:

1	8081_S	2	ASBESTOS_S	3	ASMS_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: J Flag 8081 ESL. 8081 added 7/31/12 24hr per email. 8081, As and Asbestos added 8/8/12 48hr per email.

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.

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P & D Environmental	Client Project ID: #0553; Cathedral Gardens-Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 08/08/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 08/09/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207741

Lab ID	1207741-003A	1207741-012A			Reporting Limit for DF =1	
Client ID	T1-3	T3-2				
Matrix	S	S				
DF	1	1			MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND			0.00027	0.001
a-BHC	ND	ND			0.0001	0.001
b-BHC	ND	ND			0.00025	0.001
d-BHC	ND	ND			0.00037	0.001
g-BHC	ND	ND			0.000097	0.001
Chlordane (Technical)	0.42	ND			0.016	0.025
a-Chlordane	0.032	ND			0.00047	0.001
g-Chlordane	0.049	ND			0.00021	0.001
p,p-DDD	0.0042	ND			0.00014	0.001
p,p-DDE	0.0078	ND			0.00032	0.001
p,p-DDT	0.0018	0.00064,J			0.00043	0.001
Dieldrin	0.0076	ND			0.00033	0.001
Endosulfan I	ND	ND			0.00065	0.001
Endosulfan II	ND	ND			0.0002	0.001
Endosulfan sulfate	ND	ND			0.00063	0.001
Endrin	ND	ND			0.00097	0.001
Endrin aldehyde	ND	ND			0.0002	0.001
Endrin ketone	ND	ND			0.00013	0.001
Heptachlor	0.021	ND			0.00021	0.001
Heptachlor epoxide	0.0052	ND			0.0002	0.001
Hexachlorobenzene	ND	ND			0.00027	0.01
Hexachlorocyclopentadiene	ND	ND			0.0004	0.02
Methoxychlor	ND	ND			0.00089	0.001
Toxaphene	ND	ND			0.035	0.05
Surrogate Recoveries (%)						
%SS:	107	87				
Comments		h3				

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits
h3) elemental sulfur (EPA 3660) cleanup

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P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0553; Cathedral Gardens-Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
	Client Contact: Paul King	Date Extracted: 08/08/12
	Client P.O.:	Date Analyzed: 08/09/12

Arsenic by ICP-MS*

Extraction method: SW3050B Analytical methods: SW6020 Work Order: 1207741

Lab ID	Client ID	Matrix	Extraction Type	Arsenic	DF	% SS	Comments
1207741-021A	T5-1	S	TOTAL	11	1	111	

Reporting Limit for DF =1; ND means not detected at or above the Reporting Limit/Method Detection Limit	MDL	TOTAL	0.27	mg/Kg
	RL	TOTAL	0.5	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/method detection limit; N/A means not applicable to this sample or instrument; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW8081A

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 69699 | WorkOrder: 1207741

EPA Method: SW8081A **Extraction: SW3550B** **Spiked Sample ID: 1208139-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	ND<0.005	0.050	NR	NR	NR	104	N/A	N/A	70 - 130
p,p-DDT	0.0067	0.050	NR	NR	NR	87.9	N/A	N/A	70 - 130
Dieldrin	ND<0.005	0.050	NR	NR	NR	86	N/A	N/A	70 - 130
Endrin	ND<0.005	0.050	NR	NR	NR	98.6	N/A	N/A	70 - 130
Endrin	ND<0.005	0.050	NR	NR	NR	98.6	N/A	N/A	70 - 130
Heptachlor	ND<0.005	0.050	NR	NR	NR	103	N/A	N/A	70 - 130
%SS:	76	0.050	NR	NR	NR	89	N/A	N/A	70 - 130

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

BATCH 69699 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1207741-003A	07/29/12	08/08/12	08/09/12 3:02 PM	1207741-012A	07/29/12	08/08/12	08/09/12 11:14 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.

surrogate diluted out of range or surrogate coelutes with another peak

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

NR = matrix inteference 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 69697 | WorkOrder: 1207741

EPA Method: SW6020 **Extraction: SW3050B** **Spiked Sample ID: 1208155-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Arsenic	7.6	50	123	112	8.44	106	75 - 125	20	75 - 125
%SS:	107	500	123	119	3.31	110	70 - 130	20	70 - 130

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

BATCH 69697 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1207741-021A	07/29/12	08/08/12	08/09/12 10:41 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 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 08/01/12
Oakland, CA 94610	Client P.O.:	Date Completed: 08/01/12

WorkOrder: 1207749 A

August 01, 2012

Dear Paul:

Enclosed within are:

1) The results of the **8** analyzed samples from your project: **#0553; Cathedral Gardens - Oakland,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

1207749

PAGE 1 OF 3

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens - Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

ICE/t° 6.0
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
PRESERVATION: VOAS | O&G | METALS | OTHER

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081 7/30/12 24hr	PRESERVATIVE	REMARKS
P1 -1	7/29/12		Soil		1		ICE	HOLD
P1 -2	"		"		1	⊗	"	# off hold
P1 -3	"		"		1		"	"
P1 -4	"		"		1	⊗	"	# off hold 7/31/12
P1 -5	"		"		1		"	"
P2 -1	"		"		1		"	"
P2 -2	"		"		1	⊗	"	# off hold
P2 -3	"		"		1		"	"
P2 -4	"		"		1	⊗	"	# off hold 7/31/12
P2 -5	"		"		1		"	"
P3 -1	"		"		1		"	"
P3 -2	"		"		1	⊗	"	# off hold
P3 -3	"		"		1		"	"
P3 -4	"		"		1	⊗	"	# off hold 7/31/12
P3 -5	"		"		1		"	"

RELINQUISHED BY: (SIGNATURE) Paul H. King	DATE 7/30	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 40	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 7/30/12	TIME 1552	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 40	LABORATORY CONTACT: Angela Rydelius
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	LABORATORY PHONE NUMBER: (877) 252-9262

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: & added 7/31/12 24hr

CHAIN OF CUSTODY RECORD

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081 7/30/12 2hr	PRESERVATIVE	REMARKS
P4 -1	7/29/12		Soil		1		ICE	HOLD
P4 -2	"		"		1	⊗	"	#off hold
P4 -3	"		"		1		"	"
P4 -4	"		"		1	⊗	"	#off hold 7/31/12
P4 -5	"		"		1		"	"
P5 -1	"		"		1		"	"
P5 -2	"		"		1		"	"
P5 -3	"		"		1	⊗	"	#off hold 7/31/12
P5 -4	"		"		1		"	"
P5 -5	"		"		1		"	"
P6 -1	"		"		1		"	"
P6 -2	"		"		1		"	"
P6 -3	"		"		1	⊗	"	#off hold 7/31/12
P6 -4	"		"		1		"	"
P6 -5	"		"		1		"	"

	DATE	TIME			
RELINQUISHED BY: (SIGNATURE) Paul H. King	7/30	1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 40 / Total No. of Containers (This Shipment) 40	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	7/30/12	1558	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (⊗) NO	

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: ⊗ added 7/31/12 2hr

CHAIN OF CUSTODY RECORD

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081	PRESERVATIVE	REMARKS
P7 -1	7/25/12		Soil		1		ICE	HOLD
P7 -2	"		"		1	X	"	~~HOLD~~ off hold 7/3/12
P7 -3	"		"		1		"	"
P7 -4	"		"		1		"	"
P7 -5	"		"		1		"	"
P8-1	"		"		1		"	"
P8 -2	"		"		1		"	"
P8 -3	"		"		1	X	"	~~HOLD~~ off hold 7/3/12
P8 -4	"		"		1		"	"
P8 -5	"		"		1		"	"

RELINQUISHED BY: (SIGNATURE) Paul H. King — DATE 7/30/12 — TIME 1500

RECEIVED BY: (SIGNATURE)

Total No. of Samples (This Shipment): 40

Total No. of Containers (This Shipment): 40

LABORATORY: McCampbell Analytical

RELINQUISHED BY: (SIGNATURE) — DATE 7/30/12 — TIME 1558

RECEIVED BY: (SIGNATURE)

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (877) 252-9262

RELINQUISHED BY: (SIGNATURE) — DATE — TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: X added 7/31/12 2 hr

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1207749 A **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0553; Cathedral Gardens - Oakland

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 1 day
Date Received: 07/30/2012
Date Add-On: 07/31/2012
Date Printed: 07/31/2012

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
1207749-004	P1-4	Soil	7/29/2012	☑	A											
1207749-009	P2-4	Soil	7/29/2012	☐	A											
1207749-014	P3-4	Soil	7/29/2012	☐	A											
1207749-019	P4-4	Soil	7/29/2012	☐	A											
1207749-023	P5-3	Soil	7/29/2012	☐	A											
1207749-028	P6-3	Soil	7/29/2012	☐	A											
1207749-032	P7-2	Soil	7/29/2012	☑	A											
1207749-038	P8-3	Soil	7/29/2012	☐	A											

Test Legend:

1	8081_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments: 8081 added 7/31/12 24hr per email.

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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/31/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/31/12-08/01/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207749

Lab ID	1207749-004A	1207749-009A	1207749-014A	1207749-019A	Reporting Limit for DF =1	
Client ID	P1-4	P2-4	P3-4	P4-4		
Matrix	S	S	S	S		
DF	1	5	1	1	MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND<0.0014	ND	ND	0.00027	0.001
a-BHC	ND	ND<0.00050	ND	ND	0.0001	0.001
b-BHC	ND	ND<0.0012	ND	ND	0.00025	0.001
d-BHC	ND	0.0045,J	ND	ND	0.00037	0.001
g-BHC	ND	ND<0.00049	ND	ND	0.000097	0.001
Chlordane (Technical)	ND	2.5	0.076	ND	0.016	0.025
a-Chlordane	ND	0.21	0.0059	0.0013	0.00047	0.001
g-Chlordane	ND	0.38	0.0076	0.0017	0.00021	0.001
p,p-DDD	ND	0.013	ND	ND	0.00014	0.001
p,p-DDE	ND	0.034	ND	ND	0.00032	0.001
p,p-DDT	0.00095,J	0.0075	ND	ND	0.00043	0.001
Dieldrin	0.00067,J	ND<0.0016	0.0022	0.00055,J	0.00033	0.001
Endosulfan I	ND	0.018	0.00099,J	ND	0.00065	0.001
Endosulfan II	ND	ND<0.0010	ND	ND	0.0002	0.001
Endosulfan sulfate	ND	ND<0.0032	ND	ND	0.00063	0.001
Endrin	ND	ND<0.0048	ND	ND	0.00097	0.001
Endrin aldehyde	ND	ND<0.0010	ND	ND	0.0002	0.001
Endrin ketone	ND	ND<0.00065	ND	ND	0.00013	0.001
Heptachlor	ND	0.20	0.0047	0.0012	0.00021	0.001
Heptachlor epoxide	ND	0.036	0.0076	0.00070,J	0.0002	0.001
Hexachlorobenzene	ND	ND<0.0014	ND	ND	0.00027	0.01
Hexachlorocyclopentadiene	ND	ND<0.0020	ND	ND	0.0004	0.02
Methoxychlor	ND	ND<0.0044	ND	ND	0.00089	0.001
Toxaphene	ND	ND<0.18	ND	ND	0.035	0.05
Surrogate Recoveries (%)						
%SS:	94	98	95	82		
Comments						

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/31/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/31/12-08/01/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207749

Lab ID	1207749-023A	1207749-028A	1207749-032A	1207749-038A	Reporting Limit for DF =1	
Client ID	P5-3	P6-3	P7-2	P8-3		
Matrix	S	S	S	S		
DF	1	1	10	1	MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND	ND<0.0027	ND	0.00027	0.001
a-BHC	ND	ND	ND<0.0010	ND	0.0001	0.001
b-BHC	ND	ND	ND<0.0025	ND	0.00025	0.001
d-BHC	ND	ND	ND<0.0037	0.00093,J	0.00037	0.001
g-BHC	ND	ND	ND<0.00097	ND	0.000097	0.001
Chlordane (Technical)	ND	0.082	4.5	0.38	0.016	0.025
a-Chlordane	ND	0.0063	0.12	0.059	0.00047	0.001
g-Chlordane	ND	0.0085	0.27	0.068	0.00021	0.001
p,p-DDD	ND	0.00018,J	ND<0.0014	ND	0.00014	0.001
p,p-DDE	ND	ND	ND<0.0032	ND	0.00032	0.001
p,p-DDT	ND	ND	ND<0.0043	ND	0.00043	0.001
Dieldrin	ND	ND	ND<0.0033	0.11	0.00033	0.001
Endosulfan I	ND	ND	0.020	0.0027	0.00065	0.001
Endosulfan II	ND	ND	ND<0.0020	0.00050,J	0.0002	0.001
Endosulfan sulfate	ND	ND	ND<0.0063	ND	0.00063	0.001
Endrin	ND	ND	ND<0.0097	ND	0.00097	0.001
Endrin aldehyde	ND	ND	ND<0.0020	0.00067,J	0.0002	0.001
Endrin ketone	0.00017,J	ND	ND<0.0013	ND	0.00013	0.001
Heptachlor	0.00028,J	0.0069	0.52	0.0034	0.00021	0.001
Heptachlor epoxide	0.00034,J	0.0058	0.070	0.0046	0.0002	0.001
Hexachlorobenzene	ND	ND	ND<0.0027	ND	0.00027	0.01
Hexachlorocyclopentadiene	ND	ND	ND<0.0040	ND	0.0004	0.02
Methoxychlor	ND	ND	ND<0.0089	ND	0.00089	0.001
Toxaphene	ND	ND	ND<0.35	ND	0.035	0.05
Surrogate Recoveries (%)						
%SS:	82	80	103	89		
Comments						

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits

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http://www.mccampbell.com / E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8081A

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 69485 | WorkOrder: 1207749

EPA Method: SW8081A **Extraction: SW3550B** **Spiked Sample ID: 1207699-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	ND	0.050	93.9	93.4	0.473	88.5	70 - 130	30	70 - 130
g-BHC	ND	0.050	93.6	92.9	0.683	89.8	70 - 130	30	70 - 130
p,p-DDT	ND	0.050	107	108	1.50	108	70 - 130	30	70 - 130
Dieldrin	ND	0.050	105	107	2.00	108	70 - 130	30	70 - 130
Endrin	ND	0.050	113	106	6.05	99.2	70 - 130	30	70 - 130
Heptachlor	ND	0.050	91.9	91.7	0.173	88.8	70 - 130	30	70 - 130
%SS:	95	0.050	103	103	0	103	70 - 130	30	70 - 130

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

BATCH 69485 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1207749-004A	07/29/12	07/31/12	08/01/12 3:19 PM	1207749-009A	07/29/12	07/31/12	08/01/12 1:24 PM
1207749-014A	07/29/12	07/31/12	08/01/12 2:40 PM	1207749-019A	07/29/12	07/31/12	08/01/12 1:04 PM
1207749-023A	07/29/12	07/31/12	08/01/12 2:15 PM	1207749-028A	07/29/12	07/31/12	08/01/12 1:40 PM
1207749-032A	07/29/12	07/31/12	08/01/12 2:02 PM	1207749-038A	07/29/12	07/31/12	07/31/12 10:55 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.

surrogate diluted out of range or surrogate coelutes with another peak

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

NR = matrix inteference 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 08/10/12
Oakland, CA 94610	Client P.O.:	Date Completed: 08/10/12

WorkOrder: 1207749 **B**

August 10, 2012

Dear Paul:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#0553; Cathedral Gardens - Oakland,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

1207749

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens - Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

ICE/T° 6.0
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
PRESERVATION

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081 7/30/12 24hr	PRESERVATIVE	REMARKS
P1 -1	7/29/12		Soil		1		ICE	HOLD
P1 -2	"		"		1	⊗	"	# offhold
P1 -3	"		"		1		"	"
P1 -4	"		"		1	⊗	"	#offhold 7/31/12
P1 -5	"		"		1		"	"
P2 -1	"		"		1		"	"
P2 -2	"		"		1	⊗	"	#offhold
P2 -3	"		"		1		"	"
P2 -4	"		"		1	⊗	"	#offhold 7/31/12
P2 -5	"		"		1	⊗	"	#
P3 -1	"		"		1		"	"
P3 -2	"		"		1	⊗	"	#offhold
P3 -3	"		"		1		"	"
P3 -4	"		"		1	⊗	"	#offhold 7/31/12
P3 -5	"		"		1	⊗	"	#

RELINQUISHED BY: (SIGNATURE) Paul H. King	DATE 7/30	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 40	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 7/30/12	TIME 1552	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 40	LABORATORY CONTACT: Angela Rydelius
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	LABORATORY PHONE NUMBER: (877) 252-9262

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: ⊗ added 7/31/12 24hr
⊗ added 8/1/12 48hr

CHAIN OF CUSTODY RECORD

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081 7/30/12 2hr	PRESERVATIVE	REMARKS
P4 -1	7/29/12		Soil		1		ICE	HOLD
P4 -2	"		"		1	⊗	"	#off hold
P4 -3	"		"		1		"	"
P4 -4	"		"		1	⊗	"	#off hold 7/31/12
P4 -5	"		"		1	⊗	"	#
P5-1	"		"		1		"	"
P5 -2	"		"		1		"	"
P5 -3	"		"		1	⊗	"	#off hold 7/31/12
P5 -4	"		"		1		"	"
P5 -5	"		"		1		"	"
P6 -1	"		"		1		"	"
P6 -2	"		"		1		"	"
P6 -3	"		"		1	⊗	"	#off hold 7/31/12
P6 -4	"		"		1	⊗	"	#
P6 -5	"		"		1		"	"

RELINQUISHED BY: (SIGNATURE) Paul H. King	DATE 7/30	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 40	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 7/30/12	TIME 1558	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 40	LABORATORY CONTACT: Angela Rydelius
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)		LABORATORY PHONE NUMBER: (877) 252-9262
					SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (⊗) NO

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: ⊗ added 7/31/12 2hr
⊗ added 8/8/12 4Ehr

CHAIN OF CUSTODY RECORD

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081	PRESERVATIVE	REMARKS
P7 -1	7/25/12		Soil		1		ICE	HOLD
P7 -2	"		"		1	X	"	~~HOLD~~ off hold 7/31/12
P7 -3	"		"		1		"	"
P7 -4	"		"		1	X	"	"
P7 -5	"		"		1		"	"
P8 -1	"		"		1		"	"
P8 -2	"		"		1		"	"
P8 -3	"		"		1	X	"	~~HOLD~~ off hold 7/31/12
P8 -4	"		"		1	X	"	"
P8 -5	"		"		1		"	"

RELINQUISHED BY: (SIGNATURE) Paul H. King — DATE 7/31/12 — TIME 1500

RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE 7/31/12 — TIME 1558

RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE — TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)

Total No. of Samples (This Shipment): 40
Total No. of Containers (This Shipment): 40

LABORATORY: Mc Campbell Analytical

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (877) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: X added 7/31/12 24hr

X added 8/5/12 48hr

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1207749 B **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0553; Cathedral Gardens - Oakland

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 1 day
Date Received: 07/30/2012
Date Add-On: 08/08/2012
Date Printed: 08/08/2012

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
1207749-010	P2-5	Soil	7/29/2012	☐	A											
1207749-015	P3-5	Soil	7/29/2012	☐	A											
1207749-020	P4-5	Soil	7/29/2012	☐	A											
1207749-029	P6-4	Soil	7/29/2012	☐	A											
1207749-034	P7-4	Soil	7/29/2012	☐	A											
1207749-039	P8-4	Soil	7/29/2012	☐	A											

Test Legend:

1	8081_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments: 8081 added 7/31/12 24hr per email. 8081 added 8/8/12 48he per email.

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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 08/08/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 08/08/12-08/09/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207749

Lab ID	1207749-010A	1207749-015A	1207749-020A	1207749-029A	Reporting Limit for DF =1	
Client ID	P2-5	P3-5	P4-5	P6-4		
Matrix	S	S	S	S		
DF	1	1	1	1	MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND	ND	ND	0.00027	0.001
a-BHC	ND	ND	ND	ND	0.0001	0.001
b-BHC	ND	ND	ND	ND	0.00025	0.001
d-BHC	ND	ND	ND	ND	0.00037	0.001
g-BHC	ND	ND	ND	ND	0.000097	0.001
Chlordane (Technical)	ND	ND	ND	ND	0.016	0.025
a-Chlordane	0.00063,J	0.00076,J	ND	ND	0.00047	0.001
g-Chlordane	0.0011	0.00092,J	ND	ND	0.00021	0.001
p,p-DDD	ND	ND	ND	ND	0.00014	0.001
p,p-DDE	ND	ND	ND	ND	0.00032	0.001
p,p-DDT	ND	ND	ND	ND	0.00043	0.001
Dieldrin	ND	ND	ND	ND	0.00033	0.001
Endosulfan I	ND	ND	ND	ND	0.00065	0.001
Endosulfan II	ND	ND	ND	ND	0.0002	0.001
Endosulfan sulfate	ND	ND	ND	ND	0.00063	0.001
Endrin	ND	ND	ND	ND	0.00097	0.001
Endrin aldehyde	ND	ND	ND	ND	0.0002	0.001
Endrin ketone	ND	ND	ND	ND	0.00013	0.001
Heptachlor	0.00072,J	0.00055,J	ND	ND	0.00021	0.001
Heptachlor epoxide	0.00065,J	0.00086,J	0.00054,J	0.00026,J	0.0002	0.001
Hexachlorobenzene	ND	ND	ND	ND	0.00027	0.01
Hexachlorocyclopentadiene	ND	ND	ND	ND	0.0004	0.02
Methoxychlor	ND	ND	ND	ND	0.00089	0.001
Toxaphene	ND	ND	ND	ND	0.035	0.05
Surrogate Recoveries (%)						
%SS:	85	90	85	84		
Comments						

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits
h3) elemental sulfur (EPA 3660) cleanup

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 08/08/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 08/08/12-08/09/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207749

Lab ID	1207749-034A	1207749-039A			Reporting Limit for DF =1	
Client ID	P7-4	P8-4				
Matrix	S	S				
DF	1	1			MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND			0.00027	0.001
a-BHC	ND	ND			0.0001	0.001
b-BHC	ND	ND			0.00025	0.001
d-BHC	ND	ND			0.00037	0.001
g-BHC	ND	ND			0.000097	0.001
Chlordane (Technical)	0.16	0.022,J			0.016	0.025
a-Chlordane	0.0082	0.0012			0.00047	0.001
g-Chlordane	0.013	0.0018			0.00021	0.001
p,p-DDD	ND	ND			0.00014	0.001
p,p-DDE	ND	ND			0.00032	0.001
p,p-DDT	ND	ND			0.00043	0.001
Dieldrin	ND	0.0017			0.00033	0.001
Endosulfan I	ND	ND			0.00065	0.001
Endosulfan II	ND	ND			0.0002	0.001
Endosulfan sulfate	ND	ND			0.00063	0.001
Endrin	ND	ND			0.00097	0.001
Endrin aldehyde	ND	ND			0.0002	0.001
Endrin ketone	ND	ND			0.00013	0.001
Heptachlor	0.021	0.0011			0.00021	0.001
Heptachlor epoxide	0.0025	0.00035,J			0.0002	0.001
Hexachlorobenzene	ND	ND			0.00027	0.01
Hexachlorocyclopentadiene	ND	ND			0.0004	0.02
Methoxychlor	ND	ND			0.00089	0.001
Toxaphene	ND	ND			0.035	0.05
Surrogate Recoveries (%)						
%SS:	83	90				
Comments		h3				

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

J) analyte detected below quantitation limits
h3) elemental sulfur (EPA 3660) cleanup

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http://www.mccampbell.com / E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8081A

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 69699 | WorkOrder: 1207749

EPA Method: SW8081A **Extraction: SW3550B** **Spiked Sample ID: 1208139-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	ND<0.005	0.050	NR	NR	NR	104	N/A	N/A	70 - 130
p,p-DDT	0.0067	0.050	NR	NR	NR	87.9	N/A	N/A	70 - 130
Dieldrin	ND<0.005	0.050	NR	NR	NR	86	N/A	N/A	70 - 130
Endrin	ND<0.005	0.050	NR	NR	NR	98.6	N/A	N/A	70 - 130
Endrin	ND<0.005	0.050	NR	NR	NR	98.6	N/A	N/A	70 - 130
Heptachlor	ND<0.005	0.050	NR	NR	NR	103	N/A	N/A	70 - 130
%SS:	76	0.050	NR	NR	NR	89	N/A	N/A	70 - 130

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

BATCH 69699 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1207749-010A	07/29/12	08/08/12	08/08/12 8:16 PM	1207749-015A	07/29/12	08/08/12	08/08/12 9:14 PM
1207749-020A	07/29/12	08/08/12	08/08/12 10:11 PM	1207749-029A	07/29/12	08/08/12	08/08/12 11:09 PM
1207749-034A	07/29/12	08/08/12	08/09/12 12:06 AM	1207749-039A	07/29/12	08/08/12	08/09/12 11:51 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.

surrogate diluted out of range or surrogate coelutes with another peak

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

NR = matrix inteference 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.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 08/13/12
Oakland, CA 94610	Client P.O.:	Date Completed: 08/13/12

WorkOrder: 1207749 **C**

August 13, 2012

Dear Paul:

Enclosed within are:

1) The results of the **2** analyzed samples from your project: **#0553; Cathedral Gardens - Oakland,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

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 McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0553

PROJECT NAME: Cathedral Gardens – Oakland

SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): 8081	PRESERVATIVE	REMARKS
P7 -1	7/25/12		Soil		1		ICE	HOLD
P7 -2	"		"		1	X	"	~~#~~ off hold 7/31/12
P7 -3	"		"		1		"	"
P7 -4	"		"		1	X	"	~~#~~
P7 -5	"		"		1	X	"	"
P8-1	"		"		1		"	"
P8 -2	"		"		1		"	"
P8 -3	"		"		1	X	"	~~#~~ off hold 7/31/12
P8 -4	"		"		1	X	"	"
P8 -5	"		"		1	X	"	"

RELINQUISHED BY: (SIGNATURE) Paul H. King	DATE 7/31/12	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 40	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE 7/31/12	TIME 1558	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 40	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (877) 252-9262
				SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: X added 7/31/12 24hr X added 8/10/12 48hr X added 8/5/12 48hr

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1207749 C **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0553; Cathedral Gardens - Oakland

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 1 day
Date Received: 07/30/2012
Date Add-On: 08/10/2012
Date Printed: 08/10/2012

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
1207749-035	P7-5	Soil	7/29/2012	☐	A											
1207749-040	P8-5	Soil	7/29/2012	☐	A											

Test Legend:

1	8081_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments: 8081 added 7/31/12 24hr per email. 8081 added 8/8/12 48hr per email. 8081 added 8/10/12 48hr per email

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.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0553; Cathedral Gardens - Oakland	Date Sampled: 07/29/12
		Date Received: 07/30/12
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 08/10/12
Oakland, CA 94610	Client P.O.:	Date Analyzed: 08/10/12

Organochlorine Pesticides by GC-ECD (8080 Basic Target List)*

Extraction Method: SW3550B | Analytical Method: SW8081A | Work Order: 1207749

Lab ID	1207749-035A	1207749-040A			Reporting Limit for DF =1	
Client ID	P7-5	P8-5				
Matrix	S	S				
DF	1	1			MDL	RL
Compound	**Concentration**				mg/kg	mg/kg
Aldrin	ND	ND			0.00027	0.001
a-BHC	ND	ND			0.0001	0.001
b-BHC	ND	ND			0.00025	0.001
d-BHC	ND	ND			0.00037	0.001
g-BHC	ND	ND			0.000097	0.001
Chlordane (Technical)	ND	ND			0.016	0.025
a-Chlordane	ND	ND			0.00047	0.001
g-Chlordane	ND	ND			0.00021	0.001
p,p-DDD	ND	ND			0.00014	0.001
p,p-DDE	ND	ND			0.00032	0.001
p,p-DDT	ND	ND			0.00043	0.001
Dieldrin	ND	ND			0.00033	0.001
Endosulfan I	ND	ND			0.00065	0.001
Endosulfan II	ND	ND			0.0002	0.001
Endosulfan sulfate	ND	ND			0.00063	0.001
Endrin	ND	ND			0.00097	0.001
Endrin aldehyde	ND	ND			0.0002	0.001
Endrin ketone	ND	ND			0.00013	0.001
Heptachlor	ND	ND			0.00021	0.001
Heptachlor epoxide	ND	ND			0.0002	0.001
Hexachlorobenzene	ND	ND			0.00027	0.01
Hexachlorocyclopentadiene	ND	ND			0.0004	0.02
Methoxychlor	ND	ND			0.00089	0.001
Toxaphene	ND	ND			0.035	0.05
Surrogate Recoveries (%)						
%SS:	104	102				
Comments						

* 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/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor.

surrogate diluted out of range or surrogate coelutes with another peak/sample contains surrogate.

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"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8081A

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 69794 | WorkOrder: 1207749

EPA Method: SW8081A **Extraction: SW3550B** **Spiked Sample ID: 1208258-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Aldrin	ND	0.050	86.8	87.5	0.879	83.9	70 - 130	30	70 - 130
g-BHC	ND	0.050	92.4	93.1	0.729	90.6	70 - 130	30	70 - 130
p,p-DDT	ND	0.050	108	114	5.64	89.3	70 - 130	30	70 - 130
Dieldrin	ND	0.050	101	104	2.50	95.9	70 - 130	30	70 - 130
Endrin	ND	0.050	96.5	99.8	3.36	91.8	70 - 130	30	70 - 130
Heptachlor	ND	0.050	92.8	93.7	0.946	89.9	70 - 130	30	70 - 130
%SS:	102	0.050	93	101	8.02	81	70 - 130	30	70 - 130

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

BATCH 69794 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1207749-035A	07/29/12	08/10/12	08/10/12 9:31 PM	1207749-040A	07/29/12	08/10/12	08/10/12 10:08 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.

surrogate diluted out of range or surrogate coelutes with another peak

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

NR = matrix inteference 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.

DHS ELAP Certification 1644

QA/QC Officer

Forensic Analytical Laboratories

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

McCampbell Analytical, Inc.
Account Payable
1534 Wilow Pass Rd

Pittsburg, CA 94565

Client ID: A31409
Report Number: B167005
Date Received: 08/09/12
Date Analyzed: 08/13/12
Date Printed: 08/13/12
First Reported: 08/13/12

Job ID/Site: 0553 - Cathedral Gardens-Oakland

Date(s) Collected: 07/29/2012

FALI Job ID: A31409
Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
T5-2	11287715						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
T5-4	11287716						
Layer: Dark Grey Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
T5-5	11287717						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
T6-1	11287718						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
T6-4	11287719						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Forensic Analytical Laboratories

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

McCampbell Analytical, Inc.
Account Payable
1534 Wilow Pass Rd

Pittsburg, CA 94565

Client ID: A31409
Report Number: B167090
Date Received: 08/13/12
Date Analyzed: 08/15/12
Date Printed: 08/15/12
First Reported: 08/15/12

Job ID/Site: 0553 - Cathedral Gardens

Date(s) Collected: 06/28/2012

FALI Job ID: A31409
Total Samples Submitted: 2
Total Samples Analyzed: 2

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
B4A	11288430						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
B5A	11288431						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218