

INTERNATIONAL GEOLOGIC
ENVIRONMENTAL AND GEOLOGICAL SERVICES

2831 SYLHOWE ROAD, OAKLAND, CALIFORNIA 94602
PHONE (510) 530-8751 FAX (510) 530-8794

FAX TRANSMITTAL SHEET

DATE: 4-24-97

DOCUMENT SENT TO: FAX: 337-9335
Phone:

Attn: Susan Hugo

DOCUMENT SENT FROM: Fax: 510/530-8794
Phone: 510/530-8751

Steve Bittman

COMMENT(S): Lab results for 1372 Ocean Ave in
Emeryville. Appears to be low levels of
aged gasoline - normal lead concentrations &
a little TCE - please advise SB

NUMBER OF PAGES (including transmittal sheet): 14

MCCAMPBELL ANALYTICAL INC.
 110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax 510-798-1622

International Geologic 2831 Sylvhoe Road Oakland, CA 94602	Client Project ID: # 705-1	Date Sampled: 04/10/97
		Date Received: 04/15/97
	Client Contact: Steve Bittman	Date Extracted: 04/15-04/16/97
	Client P.O:	Date Analyzed: 04/15-04/16/97

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline^{*}, with Methyl tert-Butyl Ether^{*} & BTEX^{*}
 EPA methods 5030, modified 8015, and 8020 or 602; California RWOCR (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) [†]	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
75561	S-5.5-B1	S	150 _{j,b}	ND < 0.2	ND < 0.01	0.20	0.38	1.2	95
75562	S-2-D1	S	ND	ND	ND	ND	ND	ND	99
75564	W-B1	W	330 _{j,b,h}	8.5	ND	ND	ND	0.69	101
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	5.0	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	0.005	

^{*} water and vapor samples are reported in ug/L, soil and sludge samples in mg/kg, and all TCLP extracts in mg/L

[†] cluttered chromatogram; sample peak coelutes with surrogate peak

^{*} The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant (aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

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International Geologic 2831 Sylhowe Road Oakland, CA 94602	Client Project ID: # 705-1	Date Sampled: 04/10/97
	Client Contact: Steve Birtman	Date Received: 04/15/97
	Client P.O:	Date Extracted: 04/15/97
		Date Analyzed: 04/15-04/16/97

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWOCB (SF Bay Region) method GCFID(3550) or GCFID(3510).

Lab ID	Client ID	Matrix	TPH(d)*	% Recovery Surrogate
75561	S-5.5-B1	S	430,d,a	112
75562	S-2-D1	S	210,g	104
75564	W-B1	W	7000,d,c,h	107
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		50 ug/L	
	S		1.0 mg/kg	

* water samples are reported in ug/L, soil and sludge samples in mg/kg, and all TCLP and STLC extracts in mg/L
 # cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.
 + The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than - 5 vol. % sediment.

DHS Certification No. 1644

 Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. 110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax: 510-798-1622

International Geologic 2831 Sylhowe Road Oakland, CA 94602	Client Project ID: # 705-1	Date Sampled: 04/10/97
	Client Contact: Steve Bittman	Date Received: 04/15/97
	Client P.O:	Date Extracted: 04/15/97
		Date Analyzed: 04/15/97

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	75561	75564	
Client ID	S-5.5-B1	W-B1	
Matrix	S	W	
Compound	Concentration		
Bromodichloromethane	ND	ND < 1.3	
Bromoform ^(b)	ND	ND < 1.3	
Bromomethane	ND	ND < 1.3	
Carbon Tetrachloride ^(c)	ND	ND < 1.3	
Chlorobenzene	ND	ND < 1.3	
Chloroethane	ND	ND < 1.3	
2-Chloroethyl Vinyl Ether ^(d)	ND	ND < 1.3	
Chloroform ^(e)	ND	ND < 1.3	
Chloromethane	ND	ND < 1.3	
Dibromochloromethane	ND	ND < 1.3	
1,2-Dichlorobenzene	ND	ND < 1.3	
1,3-Dichlorobenzene	ND	ND < 1.3	
1,4-Dichlorobenzene	ND	ND < 1.3	
Dichlorodifluoromethane	ND	ND < 1.3	
1,1-Dichloroethane	ND	ND < 1.3	
1,2-Dichloroethane	ND	ND < 1.3	
1,1-Dichloroethene	ND	ND < 1.3	
cis 1,2-Dichloroethene	ND	9.4	
trans 1,2-Dichloroethene	ND	2.4	
1,2-Dichloropropane	ND	ND < 1.3	
cis 1,3-Dichloropropene	ND	ND < 1.3	
trans 1,3-Dichloropropene	ND	ND < 1.3	
Methylene Chloride ^(f)	ND	ND < 1.3	
1,1,2,2-Tetrachloroethane	ND	ND < 1.3	
Tetrachloroethene	ND	ND < 1.3	
1,1,1-Trichloroethane	ND	ND < 1.3	
1,1,2-Trichloroethane	ND	ND < 1.3	
Trichloroethene	ND	40	
Trichlorofluoromethane	ND	2.7	
Vinyl Chloride ^(g)	ND	1.5	
% Recovery Surrogate	99	95	
Comments		h	

* water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg and all TCLP extracts in ug/L.
 Reporting limit unless otherwise stated: water/TCLP extracts, ND < 0.5ug/L; soil and sludge, ND < 5ug/kg
 ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
 (b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethane; (e) trichloromethane; (f) dichloromethane; (g) chloroethene;
 (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~ 5 vol. % sediment.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622
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International Geologic 2831 Sylhove Road Oakland, CA 94602	Client Project ID: # 705-1	Date Sampled: 04/10/97
		Date Received: 04/15/97
	Client Contact: Steve Buttman	Date Extracted: 04/15/97
	Client P.O:	Date Analyzed: 04/16-04/21/97

Dissolved Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction ^o	Dissolved Lead*	% Recovery Surrogate
75564	W-B1	W	TTLC	0.013,h	NA
Reporting Limit unless otherwise stated; Nil means not detected above the re- porting limit	S	TTLC		3.0 mg/kg	
	W	TTLC		0.005 mg/L	
	---	STLC,TCLP		0.2 mg/L	

* soil and sludge samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L
^o Lead is analysed using EPA method 6010 (ICP) for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
^o EPA extraction methods 1311(TCLP), 3010/3020(water.TTLC), 3040(organic matrices,TTLC), 3050(solids.TTLC); STLC from CA Title 22
^o surrogate diluted out of range; N/A means surrogate not applicable to this analysis
^a reporting limit raised due matrix interference
 1) liquid sample that contains greater than ~ 2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

 Edward Hamilton, Lab Director

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International Geologic 2831 Sylbowe Road Oakland, CA 94602	Client Project ID: # 705-1	Date Sampled: 04/10/97
	Client Contact: Steve Bitzman	Date Received: 04/15/97
	Client P.O.:	Date Analyzed: 04/16-04/21/97
	Date Extracted: 04/15/97	

Lead¹

EPA analytical methods 6010/200.7, 239.2²

Lab ID	Client ID	Matrix	Extraction ^o	Lead ⁿ	% Recovery Surrogate
75561	S-5.5-B1	S	TTLC	4.4	101

Reporting Limit unless otherwise stated: ND means not detected above the reporting limit	S	TTLC	3.0 mg/kg
	W	TTLC	0.005 mg/L
	---	STLC, TCLP	0.2 mg/L

^o soil and sludge samples are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/l.

ⁿ Lead is analysed using EPA method 6010 (ICP) for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples

² EPA extraction methods 1311 (TCLP), 3010/3020 (water, TTLC), 3040 (organic matrices, TTLC), 3050 (solids, TTLC), STLC from CA Title 22

ⁿ surrogate diluted out of range; N/A means surrogate not applicable to this analysis

^a reporting limit raised due matrix interference

¹ liquid sample that contains greater than ~ 2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

04-23-1997 05:50PM FROM McCampbell Analytical Inc TO
 APR -23' 97(WED) 16:55 CHROMALAB, INC. TEL:510 484 1096

5308794 P.03
 P.001

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 9704267

April 23, 1997

MCCAMPBELL ANALYTICAL, INC.

Atten: Ed Hamilton

Project: SB-705-1
 Received: April 16, 1997

Project#: 9476

re: One sample for Semivolatile Organic Compounds (S/NAs) analysis.
 Method: SW846 Method 8270A Nov 1990

Client Sample ID: W-BL/75564

Spl#: 126656

Matrix: WATER

Extracted: April 18, 1997

Sampled: April 10, 1997

Run#: 6374

Analyzed: April 18, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	0.0	N.D.	16.4	1
BIS(2-CHLOROETHYL) ETHER	N.D.	0.0	N.D.	---	1
2-CHLOROPHENOL	N.D.	0.0	N.D.	50.7	1
1,3-DICHLOROBENZENE	N.D.	0.0	N.D.	---	1
1,4-DICHLOROBENZENE	N.D.	0.0	N.D.	63.3	1
BENZYL ALCOHOL	N.D.	0.0	N.D.	---	1
1,2-DICHLOROBENZENE	N.D.	0.0	N.D.	---	1
2-METHYLPHENOL	N.D.	0.0	N.D.	---	1
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	0.0	N.D.	---	1
4-METHYLPHENOL	N.D.	0.0	N.D.	---	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.0	N.D.	64.0	1
HEXACHLOROETHANE	N.D.	0.0	N.D.	---	1
NITROBENZENE	N.D.	0.0	N.D.	---	1
ISOPHORONE	N.D.	0.0	N.D.	---	1
2-NITROPHENOL	N.D.	0.0	N.D.	---	1
2,4-DIMETHYLPHENOL	N.D.	0.0	N.D.	---	1
BIS(2-CHLOROETHOXY) METHANE	N.D.	0.0	N.D.	---	1
2,4-DICHLOROPHENOL	N.D.	0.0	N.D.	---	1
1,2,4-TRICHLOROBENZENE	N.D.	0.0	N.D.	65.0	1
NAPHTHALENE	N.D.	0.0	N.D.	---	1
4-CHLOROANILINE	N.D.	0.0	N.D.	---	1
HEXACHLOROBTADIENE	N.D.	0.0	N.D.	---	1
4-CHLORO-3-METHYLPHENOL	N.D.	0.0	N.D.	61.0	1
2-METHYLNAPHTHALENE	N.D.	0.0	N.D.	---	1
HEXACHLOROCYCLOPENTADIENE	N.D.	0.0	N.D.	---	1
2,4,6-TRICHLOROPHENOL	N.D.	0.0	N.D.	---	1
2,4,5-TRICHLOROPHENOL	N.D.	0.0	N.D.	---	1
2-CHLORONAPHTHALENE	N.D.	0.0	N.D.	---	1
2-NITROANILINE	N.D.	0.0	N.D.	---	1
DIMETHYL PHTHALATE	N.D.	0.0	N.D.	---	1
ACENAPHTHYLENE	N.D.	0.0	N.D.	---	1
3-NITROANILINE	N.D.	0.0	N.D.	---	1
ACENAPHTHENE	N.D.	0.0	N.D.	71.0	1
2,4-DINITROPHENOL	N.D.	0.0	N.D.	---	1
4-NITROPHENOL	N.D.	0.0	N.D.	16.1	1
DIBENZOPURAN	N.D.	0.0	N.D.	---	1
2,4-DINITROTOLUENE	N.D.	0.0	N.D.	53.3	1
2,6-DINITROTOLUENE	N.D.	0.0	N.D.	---	1
DIETHYL PHTHALATE	N.D.	0.0	N.D.	---	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.0	N.D.	---	1

CHROMALAB, INC.

Environmental Services (SES)

April 23, 1997

Submission #: 9704267
 page 2

MCCAMPBELL ANALYTICAL, INC.

Attn: Ed Hamilton

Project: SA-705-1
 Received: April 16, 1997

Project#: 8476

re: One sample for Semivolatile Organic Compounds (S/NAs) analysis, continued.

Method: SW846 Method 8270A Nov 1990

Client Sample ID: W-B1/75564

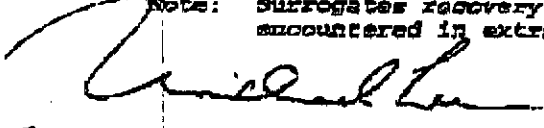
Sp# 126656
 Sampled: April 10, 1997

Matrix: WATER
 Run#: 6374


Extracted: April 18, 1997
 Analyzed: April 18, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	5.0	N.D.	--	1
4-NITROANILINE	N.D.	10	N.D.	--	1
2-METHYL-4,6-DINITROPHENOL	N.D.	10	N.D.	--	1
N-NITROSO-DI-N-PHENYLAMINE	N.D.	2.0	N.D.	--	1
4-BROMOPHENYL PHENYL ETHER	N.D.	5.0	N.D.	--	1
HEXACHLOROBEENZENE	N.D.	2.0	N.D.	--	1
PENTACHLOROPHENOL	N.D.	20	N.D.	51.2	1
PHENANTHRENE	N.D.	2.0	N.D.	--	1
ANTHRACENE	N.D.	2.0	N.D.	--	1
DI-N-BUTYL PHTHALATE	N.D.	5.0	N.D.	--	1
FLUORANTHENE	N.D.	2.0	N.D.	--	1
PYRENE	N.D.	2.0	N.D.	64.7	1
BUTYL BENZYL PHTHALATE	N.D.	5.0	N.D.	--	1
3,3'-DICHLOROBENZIDINE	N.D.	5.0	N.D.	--	1
BENZO (A) ANTHRACENE	N.D.	2.0	N.D.	--	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	5.0	N.D.	--	1
CHRYSENE	N.D.	2.0	N.D.	--	1
DI-N-OCTYL PHTHALATE	N.D.	5.0	N.D.	--	1
BENZO (H) FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO (K) FLUORANTHENE	N.D.	2.0	N.D.	--	1
BENZO (A) PYRENE	N.D.	2.0	N.D.	--	1
INDENO (1,2,3 C,D) PYRENE	N.D.	2.0	N.D.	--	1
DIBENZO (A,H) ANTHRACENE	N.D.	2.0	N.D.	--	1
BENZO (G,H,I) PERYLENE	N.D.	2.0	N.D.	--	1
BENZOIC ACID	N.D.	10	N.D.	--	1

Note: Surrogates recovery were outside of acceptance limits due to emulsion encountered in extraction. Results biased low. See surrogate summary page.



Michael Lee
 Chemist



Chip Foclinelli
 Operations Manager

CHROMALAB, INC.

Environmental Services (ESB)

April 23, 1997

Submission #: 9704267

MCCAMPBELL ANALYTICAL, INC.

Atten: Ed Hamilton

Project: SB-705-1

Project#: 8476

Received: April 16, 1997

re: **Surrogate** report for 1 sample for Semivolatile Organic Compounds

Method: SW846 Method 8270A Nov 1990

Lab Run#: 6374

Matrix: WATER

Sample#	Client Sample ID	Surrogate	% Recovered	Recovery Limits
126656-1	W-B1/75564	NITROBENZENE-D5	31.2	35-114
126656-1	W-B1/75564	2-FLUOROBIPHENYL	23.0	43-116
126656-1	W-B1/75564	P-TERPHEENYL-D14	21.1	33-141
126656-1	W-B1/75564	PHENOL-D5	18.0	10-110
126656-1	W-B1/75564	2-FLUOROPHENOL	23.0	25-100
126656-1	W-B1/75564	2,4,6-TRIBROMOPHENOL	24.0	10-123

Sample#	OC Sample Type	Surrogate	% Recovered	Recovery Limits
127041-1	Reagent blank (MDB)	NITROBENZENE-D5	68.0	35-114
127041-1	Reagent blank (MDB)	2-FLUOROBIPHENYL	66.7	43-116
127041-1	Reagent blank (MDB)	P-TERPHEENYL-D14	70.3	33-141
127041-1	Reagent blank (MDB)	PHENOL-D5	23.3	10-110
127041-1	Reagent blank (MDB)	2-FLUOROPHENOL	35.1	25-100
127041-1	Reagent blank (MDB)	2,4,6-TRIBROMOPHENOL	71.1	10-123
127042-1	Spiked blank (BSP)	NITROBENZENE-D5	69.8	35-114
127042-1	Spiked blank (BSP)	2-FLUOROBIPHENYL	73.8	43-116
127042-1	Spiked blank (BSP)	P-TERPHEENYL-D14	73.1	33-141
127042-1	Spiked blank (BSP)	PHENOL-D5	21.0	10-110
127042-1	Spiked blank (BSP)	2-FLUOROPHENOL	30.4	25-100
127042-1	Spiked blank (BSP)	2,4,6-TRIBROMOPHENOL	73.0	10-123
127043-1	Spiked blank duplicate (BSD)	NITROBENZENE-D5	64.0	35-114
127043-1	Spiked blank duplicate (BSD)	2-FLUOROBIPHENYL	70.3	43-116
127043-1	Spiked blank duplicate (BSD)	P-TERPHEENYL-D14	66.7	33-141
127043-1	Spiked blank duplicate (BSD)	PHENOL-D5	23.2	10-110
127043-1	Spiked blank duplicate (BSD)	2-FLUOROPHENOL	31.8	25-100
127043-1	Spiked blank duplicate (BSD)	2,4,6-TRIBROMOPHENOL	69.0	10-123

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 CCSLRR1225 MK2L05 23-Apr-97 10

CHROMALAB, INC.

Environmental Services (SDB)

April 23, 1997

Submission #: 9704267

MCCAMPBELL ANALYTICAL, INC.

Atten: Ed Hamilton

Project: SB-705-1

Project#: 8476

Received: April 16, 1997

re: One sample for Semivolatile Organic Compounds (S/NAs) analysis.
 Method: SW846 Method 8270A Nov 1990

Client Sample ID: S-5.5-B1/75561

Spl#: 126655

Matrix: SOIL

Extracted: April 21, 1997

Sampled: April 10, 1997

Run#: 8402

Analyzed: April 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
PHENOL	N.D.	0.10	N.D.	58.1	1
BIS (2-CHLOROETHYL) ETHER	N.D.	0.10	N.D.	--	1
2-CHLOROPHENOL	N.D.	0.10	N.D.	60.6	1
1,3-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
1,4-DICHLOROBENZENE	N.D.	0.10	N.D.	67.5	1
BENZYL ALCOHOL	N.D.	0.20	N.D.	--	1
1,2-DICHLOROBENZENE	N.D.	0.10	N.D.	--	1
2-METHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS (2-CHLOROISOPROPYL) ETHER	N.D.	0.10	N.D.	--	2
4-METHYLPHENOL	N.D.	0.20	N.D.	--	1
N-NITROSO-DI-N-PROPYLAMINE	N.D.	0.10	N.D.	72.9	1
HEXACHLOROETHANE	N.D.	0.20	N.D.	--	2
NITROBENZENE	N.D.	0.10	N.D.	--	1
ISOPHORONE	N.D.	0.10	N.D.	--	1
2-NITROPHENOL	N.D.	0.10	N.D.	--	1
2,4-DIMETHYLPHENOL	N.D.	0.10	N.D.	--	1
BIS (2-CHLOROETHOXY) METHANE	N.D.	0.10	N.D.	--	1
2,4-DICHLOROPHENOL	N.D.	0.10	N.D.	--	1
1,2,4-TRICHLOROBENZENE	N.D.	0.10	N.D.	60.6	1
NAPHTHALENE	N.D.	0.10	N.D.	--	1
4-CHLOROANILINE	N.D.	0.20	N.D.	--	1
HEXACHLOROBTADIENE	N.D.	0.10	N.D.	--	1
4-CHLORO-3-METHYLPHENOL	N.D.	0.20	N.D.	--	1
2-METHYLNAPHTHALENE	0.43	0.10	N.D.	53.5	1
HEXACHLOROCYCLOPENTADIENE	N.D.	0.10	N.D.	--	1
2,4,6-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2,4,5-TRICHLOROPHENOL	N.D.	0.10	N.D.	--	1
2-CHLORONAPHTHALENE	N.D.	0.10	N.D.	--	1
2-NITROANILINE	N.D.	0.50	N.D.	--	1
DIMETHYL PHTHALATE	N.D.	0.50	N.D.	--	1
ACENAPHTHYLENE	N.D.	0.10	N.D.	--	1
3-NITROANILINE	N.D.	0.10	N.D.	--	1
ACENAPHTHENE	N.D.	0.10	N.D.	--	1
2,4-DINITROPHENOL	N.D.	0.10	N.D.	73.8	1
4-NITROPHENOL	N.D.	0.50	N.D.	--	1
DIBENZOFURAN	N.D.	0.50	N.D.	48.2	1
2,4-DINITROTOLUENE	N.D.	0.10	N.D.	--	1
2,5-DINITROTOLUENE	N.D.	0.10	N.D.	58.0	1
DIETHYL PHTHALATE	N.D.	0.20	N.D.	--	1
4-CHLOROPHENYL PHENYL ETHER	N.D.	0.10	N.D.	--	1

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CHROMALAB, INC.

Environmental Services (SDB)

April 23, 1997

Submission #: 9704267

MCCAMPBELL ANALYTICAL, INC.

page 2

Attn: Ed Hamilton

Project: SB-705-1
 Received: April 16, 1997

Project#: 8476

re: One sample for Semivolatile Organic Compounds (S/NAs) analysis, continued.

Method: SW846 Method 8270A Nov 1990

Client Sample ID: S-5.5-B1/75561

Spl#: 126655

Matrix: SOIL

Extracted: April 21, 1997

Sampled: April 10, 1997

Run#: 6402

Analyzed: April 21, 1997

ANALYTE	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
FLUORENE	N.D.	0.10	N.D.	---	1
4-NITROANILINE	N.D.	0.50	N.D.	---	1
2-METHYL-4,6-DINITROPHENOL	N.D.	0.50	N.D.	---	1
N-NITROSO-DI-N-PHENYLAMINE	N.D.	0.10	N.D.	---	1
4-BROMOPHENYL PHENYL ETHER	N.D.	0.10	N.D.	---	1
HEXACHLOROBENZENE	N.D.	0.10	N.D.	---	1
PENTACHLOROPHENOL	N.D.	0.50	N.D.	---	1
PHENANTHRENE	0.19	0.10	N.D.	42.1	1
ANTHRACENE	N.D.	0.10	N.D.	---	1
DI-N-BUTYL PHTHALATE	N.D.	0.10	N.D.	---	1
FLUORANTHENE	N.D.	0.10	N.D.	---	1
PYRENE	N.D.	0.10	N.D.	---	1
BUTYL BENZYL PHTHALATE	N.D.	0.10	N.D.	54.7	1
3,3'-DICHLOROBENZIDINE	N.D.	0.20	N.D.	---	1
BENZO (A) ANTHRACENE	N.D.	0.10	N.D.	---	1
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	0.50	N.D.	---	1
CHRYSENE	N.D.	0.10	N.D.	---	1
DI-N-OCTYL PHTHALATE	N.D.	0.50	N.D.	---	1
BENZO (B) FLUORANTHENE	N.D.	0.10	N.D.	---	1
BENZO (K) FLUORANTHENE	N.D.	0.20	N.D.	---	1
BENZO (A) PYRENE	N.D.	0.050	N.D.	---	1
INDENO (1,2,3 C,D) PYRENE	N.D.	0.20	N.D.	---	1
DIBENZO (A,H) ANTHRACENE	N.D.	0.20	N.D.	---	1
BENZOTR (H, I) PERYLENE	N.D.	0.20	N.D.	---	1
BENZOIC ACID	N.D.	0.50	N.D.	---	1

Michael Lee
 Chemist

Chip Poalinelli
 Operations Manager

CHROMALAB, INC.

Environmental Services (SES)

April 23, 1997

Submission #: 9704267

MCCAMPBELL ANALYTICAL, INC.

Atten: Ed Hamilton

Project: SB-705-1

Project#: 8476

Received: April 16, 1997

Re: Surrogate report for 1 sample for Semivolatile Organic Compounds

Method: SW846 Method 8270A Nov 1990

Lab Run#: 6402

Matrix: SOIL

Sample#	Client Sample ID	Surrogate	% Recovered	Recovery Limits
126655-1	S-5.5-B1/75561	NITROBENZENE-D5	74.3	23-120
126655-1	S-5.5-B1/75561	2-FLUOROBIPHENYL	67.7	30-115
126655-1	S-5.5-B1/75561	P-TERPHENYL-D14	78.0	18-137
126655-1	S-5.5-B1/75561	PHENOL-D5	60.4	24-113
126655-1	S-5.5-B1/75561	2-FLUOROPHENOL	61.9	25-121
126655-1	S-5.5-B1/75561	2,4,6-TRIBROMOPHENOL	63.1	19-122

Sample#	QC Sample Type	Surrogate	% Recovered	Recovery Limits
127373-1	Reagent blank (MDB)	NITROBENZENE-D5	74.8	23-120
127373-1	Reagent blank (MDB)	2-FLUOROBIPHENYL	77.7	30-115
127373-1	Reagent blank (MDB)	P-TERPHENYL-D14	66.6	18-137
127373-1	Reagent blank (MDB)	PHENOL-D5	79.2	24-113
127373-1	Reagent blank (MDB)	2-FLUOROPHENOL	73.9	25-121
127373-1	Reagent blank (MDB)	2,4,6-TRIBROMOPHENOL	70.3	19-122
127374-1	Spiked blank (BSP)	NITROBENZENE-D5	76.6	23-120
127374-1	Spiked blank (BSP)	2-FLUOROBIPHENYL	76.4	30-115
127374-1	Spiked blank (BSP)	P-TERPHENYL-D14	63.2	18-137
127374-1	Spiked blank (BSP)	PHENOL-D5	82.0	24-113
127374-1	Spiked blank (BSP)	2-FLUOROPHENOL	74.2	25-121
127374-1	Spiked blank (BSP)	2,4,6-TRIBROMOPHENOL	70.7	19-122
127375-1	Spiked blank duplicate (BSD)	NITROBENZENE-D5	75.1	23-120
127375-1	Spiked blank duplicate (BSD)	2-FLUOROBIPHENYL	74.2	30-115
127375-1	Spiked blank duplicate (BSD)	P-TERPHENYL-D14	66.6	18-137
127375-1	Spiked blank duplicate (BSD)	PHENOL-D5	79.8	24-113
127375-1	Spiked blank duplicate (BSD)	2-FLUOROPHENOL	70.0	25-121
127375-1	Spiked blank duplicate (BSD)	2,4,6-TRIBROMOPHENOL	68.1	19-122
127376-1	Matrix spike (MS)	NITROBENZENE-D5	76.4	23-120
127376-1	Matrix spike (MS)	2-FLUOROBIPHENYL	82.9	30-115
127376-1	Matrix spike (MS)	P-TERPHENYL-D14	88.8	18-137
127376-1	Matrix spike (MS)	PHENOL-D5	81.5	24-113

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CHROMALAB, INC.

Environmental Services (SES)

April 23, 1997

Submission #: 9704267
page 2

MCCAMPBELL ANALYTICAL, INC.

Atten: Ed Hamilton

Project: SB-705-1
Received: April 16, 1997

Project#: 8476

re: **Surrogate** report for 1 sample for semivolatile Organic Compounds

Method: SW846 Method 8270A Nov 1990

Lab Run#: 6402

127376-1	Matrix spike (MS)	2-FLUOROPHENOL	71.8	25-121
127376-1	Matrix spike (MS)	2,4,6-TRIBROMOPHENOL	91.8	19-122
127377-1	Matrix spike duplicate (MS)	NITROBENZENE-D5	72.6	23-120
127377-1	Matrix spike duplicate (MS)	2-FLUOROBIPHENYL	80.6	30-115
127377-1	Matrix spike duplicate (MS)	3-TERPHEENYL-D14	99.4	18-137
127377-1	Matrix spike duplicate (MS)	PHENOL-D5	80.2	24-113
127377-1	Matrix spike duplicate (MS)	2-FLUOROPHENOL	67.0	25-121
127377-1	Matrix spike duplicate (MS)	2,4,6-TRIBROMOPHENOL	85.7	19-122

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