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Suite 300
Oakland, CA 94607

Fax

Date: Wednesday, May 31, 2000

Total Pages: 7

Subject: Sample Results from 9th and Broadway

Name: Barney Chan

Company: Alameda County Health Agency

Voice Number:

Fax Number: 337-9335

Note: 8260 Results from Sample 4

FACSIMILE TRANSMISSION

To: Barney Chan

Fax Number: 337-9335

From: Jim McCarty

Date: May 31, 2000

Subject: 9th and Broadway Sample Results

Project Number: 49600-5

Number of pages (including this cover sheet): 17

Remarks:

Barney

Here is a copy of the VOC results for the stockpile soil at the 9th and Broadway site. I have requested that the lab run the hottest sample, Sample 2, for VOCs as well.

cc: _____

Transmitted by: _____

If you do not receive all pages, please call (510) 451-1001

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Harding Lawson Associates
Engineering and Environmental Services
383 Fourth Street, Third Floor
Oakland, CA 94607 — (510) 451-1001

FAX (510) 451-3165

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-05-0557

Volatile Organic Compounds

Harding Lawson Assoc -Oakland	☒ 383 Fourth Street, Third Floor Oakland, CA 94607
Attn: James G McCarty	Phone: (510) 628-3220 Fax: (510) 451-3165
Project #: 49600-5	Project: 9th & Broadway, Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
Sample #4	Soil	05/25/2000 09:00	4

1220 Quarry Lane * Pleasanton, CA 94566-4758
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-05-0557

To: **Harding Lawson Assoc -Oakland**
Attn.: James G McCartyTest Method: 8260A
Prep Method: 5030

Volatile Organic Compounds

Sample ID:	Sample #4	Lab Sample ID:	2000-05-0557-004
Project:	49600-5 9th & Broadway, Oakland	Received:	05/25/2000 17:08
Sampled:	05/25/2000 09:00	Extracted:	05/31/2000
Matrix:	Soil	QC-Batch:	2000/05/31-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
Benzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Bromodichloromethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Bromoform	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Bromomethane	ND	400	ug/Kg	40.00	05/31/2000 14:20	
Carbon tetrachloride	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Chlorobenzene	3800	200	ug/Kg	40.00	05/31/2000 14:20	
Chloroethane	ND	400	ug/Kg	40.00	05/31/2000 14:20	
2-Butanone(MEK)	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
2-Chloroethylvinyl ether	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
Chloroform	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Chloromethane	ND	400	ug/Kg	40.00	05/31/2000 14:20	
Dibromochloromethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,2-Dichlorobenzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,3-Dichlorobenzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,4-Dichlorobenzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,2-Dibromo-3-chloropropane	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
1,2-Dibromoethane	ND	400	ug/Kg	40.00	05/31/2000 14:20	
Dibromomethane	ND	400	ug/Kg	40.00	05/31/2000 14:20	
Dichlorodifluoromethane	ND	400	ug/Kg	40.00	05/31/2000 14:20	
1,1-Dichloroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,2-Dichloroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,1-Dichloroethene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
cis-1,2-Dichloroethene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
trans-1,2-Dichloroethene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,2-Dichloropropane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
cis-1,3-Dichloropropene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
trans-1,3-Dichloropropene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Ethylbenzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
2-Hexanone	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
Methylene chloride	ND	200	ug/Kg	40.00	05/31/2000 14:20	
4-Methyl-2-pentanone (MIBK)	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
Naphthalene	900	400	ug/Kg	40.00	05/31/2000 14:20	
Styrene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,1,2,2-Tetrachloroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	

T2 Meritt
S2 44
In-outdoor air

1220 Querry Lane * Pleasanton, CA 94586-4758

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-05-0557

To: **Harding Lawson Assoc -Oakland**

Test Method: 8260A

Attn.: James G McCarty

Prep Method: 5030

Volatile Organic Compounds

Sample ID: Sample #4	Lab Sample ID: 2000-05-0557-004
Project: 49600-5 9th & Broadway, Oakland	Received: 05/25/2000 17:08
Sampled: 05/25/2000 09:00	Extracted: 05/31/2000
Matrix: Soil	QC-Batch: 2000/05/31-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Tetrachloroethane	340	200	ug/Kg	40.00	05/31/2000 14:20	
Toluene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,1,1-Trichloroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,1,2-Trichloroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Trichloroethene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
1,1,1,2-Tetrachloroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Vinyl acetate	ND	2000	ug/Kg	40.00	05/31/2000 14:20	
Vinyl chloride	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Total xylenes	ND	400	ug/Kg	40.00	05/31/2000 14:20	
Trichlorotrifluoroethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Carbon disulfide	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Isopropylbenzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Bromobenzene	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Bromochloromethane	ND	800	ug/Kg	40.00	05/31/2000 14:20	
Trichlorofluoromethane	ND	200	ug/Kg	40.00	05/31/2000 14:20	
Surrogate(s)						
4-Bromofluorobenzene	106.4	74-121	%	1.00	05/31/2000 14:20	
1,2-Dichloroethane-d4	101.9	70-121	%	1.00	05/31/2000 14:20	
Toluene-d8	97.3	81-117	%	1.00	05/31/2000 14:20	

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-05-0557

To: **Harding Lawson Assoc -Oakland**
Attn.: James G McCartyTest Method: 8260A
Prep Method: 5030**Batch QC Report**
Volatile Organic Compounds

Method Blank	Soil	QC Batch # 2000/05/31-01.39
MB: 2000/05/31-01.39-001		Date Extracted: 05/31/2000

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	25000	ug/Kg	05/31/2000 13:14	
Benzene	ND	250	ug/Kg	05/31/2000 13:14	
Bromodichloromethane	ND	250	ug/Kg	05/31/2000 13:14	
Bromoform	ND	250	ug/Kg	05/31/2000 13:14	
Bromomethane	ND	500	ug/Kg	05/31/2000 13:14	
Carbon tetrachloride	ND	250	ug/Kg	05/31/2000 13:14	
Chlorobenzene	ND	250	ug/Kg	05/31/2000 13:14	
Chloroethane	ND	500	ug/Kg	05/31/2000 13:14	
2-Butanone(MEK)	ND	25000	ug/Kg	05/31/2000 13:14	
2-Chloroethylvinyl ether	ND	250	ug/Kg	05/31/2000 13:14	
Chloroform	ND	250	ug/Kg	05/31/2000 13:14	
Chloromethane	ND	500	ug/Kg	05/31/2000 13:14	
Dibromochloromethane	ND	250	ug/Kg	05/31/2000 13:14	
1,2-Dichlorobenzene	ND	250	ug/Kg	05/31/2000 13:14	
1,3-Dichlorobenzene	ND	250	ug/Kg	05/31/2000 13:14	
1,4-Dichlorobenzene	ND	250	ug/Kg	05/31/2000 13:14	
1,2-Dibromo-3-chloropropane	ND	2500	ug/Kg	05/31/2000 13:14	
1,2-Dibromoethane	ND	250	ug/Kg	05/31/2000 13:14	
Dibromomethane	ND	250	ug/Kg	05/31/2000 13:14	
Dichlorodifluoromethane	ND	250	ug/Kg	05/31/2000 13:14	
1,1-Dichloroethane	ND	250	ug/Kg	05/31/2000 13:14	
1,2-Dichloroethane	ND	250	ug/Kg	05/31/2000 13:14	
1,1-Dichloroethene	ND	250	ug/Kg	05/31/2000 13:14	
cis-1,2-Dichloroethene	ND	250	ug/Kg	05/31/2000 13:14	
trans-1,2-Dichloroethene	ND	250	ug/Kg	05/31/2000 13:14	
1,2-Dichloropropane	ND	250	ug/Kg	05/31/2000 13:14	
cis-1,3-Dichloropropene	ND	250	ug/Kg	05/31/2000 13:14	
trans-1,3-Dichloropropene	ND	250	ug/Kg	05/31/2000 13:14	
Ethylbenzene	ND	250	ug/Kg	05/31/2000 13:14	
2-Hexanone	ND	25000	ug/Kg	05/31/2000 13:14	
Methylene chloride	ND	2500	ug/Kg	05/31/2000 13:14	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/Kg	05/31/2000 13:14	
Naphthalene	ND	500	ug/Kg	05/31/2000 13:14	
Styrene	ND	250	ug/Kg	05/31/2000 13:14	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	05/31/2000 13:14	
Tetrachloroethene	ND	250	ug/Kg	05/31/2000 13:14	
Toluene	ND	250	ug/Kg	05/31/2000 13:14	
1,1,1-Trichloroethane	ND	250	ug/Kg	05/31/2000 13:14	
1,1,2-Trichloroethane	ND	250	ug/Kg	05/31/2000 13:14	
Trichloroethene	ND	250	ug/Kg	05/31/2000 13:14	

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CHROMALAB, INC.

Submission #: 2000-05-0557

Environmental Services (SDB)

To: **Harding Lawson Assoc -Oakland**
Attn.: James G McCartyTest Method: 8260A
Prep Method: 5030**Batch QC Report**
Volatile Organic Compounds

Method Blank	Soil	QC Batch # 2000/05/31-01.39
MB: 2000/05/31-01.39-001		Date Extracted: 05/31/2000

Compound	Result	Rep.Limit	Units	Analyzed	Flag
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	05/31/2000 13:14	
Vinyl acetate	ND	2500	ug/Kg	05/31/2000 13:14	
Vinyl chloride	ND	250	ug/Kg	05/31/2000 13:14	
Total xylenes	ND	250	ug/Kg	05/31/2000 13:14	
Trichlorotrifluoroethane	ND	250	ug/Kg	05/31/2000 13:14	
Carbon disulfide	ND	500	ug/Kg	05/31/2000 13:14	
Isopropylbenzene	ND	250	ug/Kg	05/31/2000 13:14	
Bromobenzene	ND	250	ug/Kg	05/31/2000 13:14	
Bromochloromethane	ND	500	ug/Kg	05/31/2000 13:14	
Trichlorofluoromethane	ND	1000	ug/Kg	05/31/2000 13:14	
Surrogate(s)					
4-Bromofluorobenzene	102.8	74-121	%	05/31/2000 13:14	
1,2-Dichloroethane-d4	99.2	70-121	%	05/31/2000 13:14	
Toluene-d8	91.6	81-117	%	05/31/2000 13:14	

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CHROMALAB, INC.

Submission #: 2000-05-0557

Environmental Services (SDB)

To: **Harding Lawson Assoc -Oakland**

Test Method: 8260A

Attn: **James G McCarty**

Prep Method: 5030

Batch QC Report**Volatile Organic Compounds**

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2000/05/31-01.39
LCS: 2000/05/31-01.39-002	Extracted: 05/31/2000	Analyzed 05/31/2000 11:49
LCSD: 2000/05/31-01.39-003	Extracted: 05/31/2000	Analyzed 05/31/2000 12:39

Compound	Conc. [ug/Kg]		Exp. Conc. [ug/Kg]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Benzene	121	123	125	125	98.8	98.4	1.6	69-129	20				
Chlorobenzene	128	137	125	125	102.4	109.8	6.8	61-121	20				
1,1-Dichloroethane	127	130	125	125	101.6	104.0	2.3	65-125	20				
Toluene	120	121	125	125	96.0	96.8	0.8	70-130	20				
Trichloroethane	119	120	125	125	95.2	96.0	0.8	74-134	20				
Surrogate(s)													
4-Bromofluorobenzene	498	508	500	500	99.6	101.6		74-121					
1,2-Dichloroethane-d4	457	486	500	500	91.4	97.2		70-121					
Toluene-d8	434	456	500	500	86.8	91.2		81-117					

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Page 6 of 6

** TOTAL PAGE.07 **