



System Operation Services
Treatment System Operation & Monitoring

Resample collected from where
what was used to measure pH
(meter or paper)?
↳ used 10.9
→ from the tank.

Tom Paulson → EBMLD
contact

November 5, 1995

TELECOPY

SOS
510-232-3796 (CCITT Group 3 - voice available)

11/8/95 Talked to Lynn Nakashinura
- must dig the contaminated
Soil asap

TO: Alameda County Health

ATTN: Ms. Susan Hughes

FAX/PHONE: 510 337-9335

FROM: Dr. Larry Russell

LJR

THERE ARE --2-- PAGES TRANSMITTED

COMMENTS:

Dear Susan:

I am writing regarding the results reported by Chromalab for water the sample taken from the buried tank at the Barbary Coast Property. the sample was taken on October 26th and was taken in a rush.

All of the bottles available to the sampler were preserved with acid. This condition was explained to the Mr. Cook at the lab, but apparently he did not follow what I explained regarding review of the results to see if it appeared that the samples had been preserved.

When we received the results, I had our field staff recheck the pH. The field measured pH was 10.9.

Larry Russell

OCT-27-'95 FRI 16:14 ID:CHROMALAB INC FAX NO:510-484-1896

MS45 P82

CHROMALAB, INC.

Environmental Services (SOS)

October 27, 1995

Submission #: 9510390

CITY OF EMERYVILLE

Attn: Mike Roberts/Larry Russel

Project: MJB
Received: October 26, 1995

re: 1 sample for pH analysis.
Method: EPA 9040/9045

Sampled: October 26, 1995 Matrix: WATER Extracted: October 27, 1995
Run: 9119-C Analysed: October 27, 1995

Sample ID	pH (UNITS)	REPORTING LIMIT (UNITS)	BLANK RESULT (UNITS)	BLANK SPIKE RESULT (C)
108117 SHELL MOUND JOB-MJB/SPFC.	1.7	0.1	N.D.	-

Carol House
Carolyn House
Extractions Supervisor

Ali Kharrasi
Ali Kharrasi
Organic Manager

OCT-27-'95 FRI 17:24 ID:CHROMLAB INC FAX NOT 510-484-1896

8352 FBI

CHROMALAB, INC.

Environmental Services (SES)

October 27, 1995

Submission #: 9510390

CITY OF EMERYVILLE

Attn: Mike Roberts/Larry Russel

Project: MJB
Received: October 26, 1995

re: One sample for CAM 17 Metals analysis.
Method: EPA 3010A M/6010/7470

Sample ID: SHELL MOORED JOB-MJB/SPEC.

Sample #: 108117

Matrix: WATER

Extracted: October 27, 1995

Sampled: October 26, 1995

Run: 9117-C

Analyzed: October 27, 1995

Analyte	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK RESULT (%)	SPIKE RESULT
ANTHRONY	N.D.	0.02	N.D.		105
ARSENIC	N.D.	0.01	N.D.		99
BARIUM	0.05	0.01	N.D.		109
BERYLLIUM	N.D.	0.005	N.D.		112
CADMIUM	N.D.	0.005	N.D.		106
CHROMIUM	N.D.	0.01	N.D.		109
COBALT	N.D.	0.01	N.D.		109
COPPER	0.23	0.01	N.D.		109
LEAD	0.87	0.01	N.D.		107
MOLYBDENUM	0.04	0.01	N.D.		106
NICKEL	0.04	0.01	N.D.		109
SELENIUM	0.03	0.01	N.D.		102
SILVER	N.D.	0.01	N.D.		103
THALLIUM	N.D.	0.02	N.D.		100
VANADIUM	0.01	0.01	N.D.		111
ZINC	0.16	0.01	N.D.		107
MERCURY	N.D.	0.001	N.D.		88

Charles Woolley
Charles Woolley
Chemist

John B. Labash
John B. Labash
Inorganic Supervisor

OCT-27-95 FRI 16:54 ID:CHROMLAB INC

FRX NO:518-484-1896

K349 P01

CHROMALAB, INC.

Environmental Services (808)

October 27, 1995

Submission #: 9510390

CITY OF EMERYVILLE

Atten: Mike Roberts/Larry Russel

Project: MJB

Received: October 26, 1995

re: One sample for Volatila Organic Compounds analysis.

Method: EPA 8240/8260

Sample ID: SKILL MOVED JOB-MJB/SPEC.

Sample #: 108117

Matrix: WATER

Sampled: October 26, 1995

Run: 9127-A

Analyzed: October 27, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
ACETONE	4100	1000	N.D.	
BENZENE	2000	500	N.D.	101
BROMODICHLOROMETHANE	N.D.	2.0	N.D.	
BROMOFORM	N.D.	2.0	N.D.	
BROMOMETHANE	N.D.	2.0	N.D.	
METHYL ETHYL KETONE	1600	500	N.D.	
CARBON TETRACHLORIDE	N.D.	2.0	N.D.	
CHLOROBENZENE	N.D.	2.0	N.D.	100
CHLOROETHANE	N.D.	2.0	N.D.	
2-CHLOROETHYL VINYL ETHER	N.D.	2.0	N.D.	
CHLOROFORM	N.D.	2.0	N.D.	
CHLOROMETHANE	N.D.	2.0	N.D.	
DIBROMOCHLOROMETHANE	N.D.	2.0	N.D.	
1,1-DICHLOROETHANE	N.D.	2.0	N.D.	
1,2-DICHLOROETHANE	500	500	N.D.	
1,1-DICHLOROETHENE	N.D.	2.0	N.D.	81
CIS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	
TRANS-1,2-DICHLOROETHENE	N.D.	2.0	N.D.	
1,2-DICHLOROPROPANE	N.D.	2.0	N.D.	
CIS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0	N.D.	
ETHYLBENZENE	1700	500	N.D.	
2-HEXANONE	N.D.	2.0	N.D.	
METHYLENE CHLORIDE	N.D.	2.0	N.D.	
METHYL ISOBUTYL KETONE	N.D.	2.0	N.D.	
STYRENE	N.D.	2.0	N.D.	
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0	N.D.	
TETRACHLOROETHENE	N.D.	2.0	N.D.	
TOLUENE	24000	500	N.D.	91
1,1,1-TRICHLOROETHANE	N.D.	2.0	N.D.	
1,1,2-TRICHLOROETHANE	N.D.	2.0	N.D.	
TRICHLOROETHENE	N.D.	2.0	N.D.	91
TRICHLOROFLOROMETHANE	N.D.	2.0	N.D.	
VINYL ACETATE	N.D.	2.0	N.D.	
VINYL CHLORIDE	28	2.0	N.D.	
TOTAL XYLENES	17000	500	N.D.	

Arion McMichael
Arion McMichael
Chemist

Ali Khazazi
Ali Khazazi
Organic Manager

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Ref 826-0140157

NOV 02 1995 17:05

10/27 '95 17:07

OCT-27-'95 FRI 15:14 ID:CHROMLAB INC

FAX NO: 510-484-1095

8345 P83

CHROMALAB, INC.

Environmental Services (SES)

October 27, 1995

Submission #: 9510390

CITY OF EMERYVILLE

Attn: Mike Roberts/Larry Russel

Project: MJB

Received: October 26, 1995

re: One sample for 8080 MOD PCBs - WATER analysis.
Method: MOD. EPA 3510/8080

Sample ID: SHELL MOUND JOB-MJB/SPEC.

Sample #: 108117

Matrix: WATER

Extracted: October 27, 1995

Sampled: October 26, 1995

Run: 9123-D

Analyzed: October 27, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
AROCLOR 1016	N.D.	0.000000	N.D.	0.00
AROCLOR 1221	N.D.	0.000000	N.D.	0.00
AROCLOR 1232	N.D.	0.000000	N.D.	0.00
AROCLOR 1242	N.D.	0.000000	N.D.	0.00
AROCLOR 1248	N.D.	0.000000	N.D.	0.00
AROCLOR 1254	N.D.	0.000000	N.D.	0.00
AROCLOR 1260	N.D.	0.000000	N.D.	0.00

Dennis Mayugba
Chemist

Ali Kharrazi
Ali Kharrazi
Organic Manager

10/27/95 FRI 16:37 ID:O-RUFFLAB INC

FRX NO: 518-484-1896

K347 P22

CHROMALAB, INC.

Environmental Services (SES)

October 27, 1995

Submission #: 9510390

CITY OF EMERYVILLE

Atten: Mike Roberts/Larry Russel

Project: MJB

Received: October 26, 1995

re: One sample for 8270 WATER BASE NEUTRAL ACID EXTRACTABLES analysis.
 Method: EPA 3510/8270

Sample ID: SHELL MOUND JOB-MJB/SPEC.

Sample #: 108117

Matrix: WATER

Extracted: October 27, 1995

Sampled: October 26, 1995

Run: 9126-A

Analyzed: October 27, 1995

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (ug)
PHENOL	110	100	N.D.	
BIS(2-CHLOROETHYL) ETHER	N.D.	100	N.D.	
2-CHLOROPHENOL	N.D.	100	N.D.	100
1,3-DICHLOROBENZENE	N.D.	100	N.D.	
1,4-DICHLOROBENZENE	N.D.	100	N.D.	
BENZYL ALCOHOL	N.D.	250	N.D.	
1,2-DICHLOROBENZENE	N.D.	100	N.D.	
O-METHYLPHENOL	370	100	N.D.	
BIS(2-CHLOROISOPROPYL) ETHER	N.D.	100	N.D.	
m-p-METHYLPHENOL	190	100	N.D.	
N-NITROSO-DI-N-PROPYLAMINE	N.D.	100	N.D.	100
HEXACHLOROETHANE	N.D.	100	N.D.	
NITROBENZENE	N.D.	100	N.D.	
ISOPHORONE	N.D.	100	N.D.	
2-NITROPHENOL	N.D.	100	N.D.	
2,4-DIMETHYL PHENOL	200	100	N.D.	
BIS(2-CHLOROETHOXY)METHANE	N.D.	250	N.D.	
2,4-DICHLOROPHENOL	N.D.	100	N.D.	
1,2,4-TRICHLOROBENZENE	N.D.	100	N.D.	100
NAPHTHALENE	670	100	N.D.	
4-CHLOROANILINE	N.D.	250	N.D.	
HEXACHLOROBUTADIENE	N.D.	100	N.D.	
4-CHLORO-3-METHYLPHENOL	N.D.	200	N.D.	
2-METHYLNAPHTHALENE	N.D.	100	N.D.	
HEXACHLOROOCYCLOPENTADIENE	N.D.	100	N.D.	
2,4,6-TRICHLOROPHENOL	N.D.	100	N.D.	
2,4,5-TRICHLOROPHENOL	N.D.	100	N.D.	
2-CHLORONAPHTHALENE	N.D.	100	N.D.	
2-NITROANILINE	N.D.	100	N.D.	
DIMETHYL PHTHALATE	N.D.	100	N.D.	
ACENAPHTHYLENE	N.D.	100	N.D.	
3-NITROANILINE	N.D.	100	N.D.	100
ACENAPHTHENE	N.D.	100	N.D.	
2,4-DINITROPHENOL	N.D.	500	N.D.	
4-NITROPHENOL	N.D.	500	N.D.	
DIBENZOFURAN	N.D.	100	N.D.	
2,6-DINITROTOLUENE	N.D.	100	N.D.	
2,6-DINITROTOLUENE	N.D.	250	N.D.	
DIETHYL PHTHALATE	N.D.	100	N.D.	

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Rep No: 45288 10/27

K0288 TT 10/27

10/27 '95 16:50

OCT-27-'95 FRI 16:59 IDTCHROMLAB INC

FRX NO: 510-484-1096

1347 P03

CHROMALAB, INC.

Environmental Services (MCS)

October 27, 1995

Submission #: 9510390

page 2

CITY OF EMERYVILLE

Atten: Mike Roberts/Larry Russel

Project: MJB

Received: October 26, 1995

re: One sample for 8270 WATER BASE NEUTRAL ACID EXTRACTABLES analysis, continued.

Method: EPA 3510/8270

Sample ID: SKULL MOUND JOB-MJB/SPEC.

Sample #: 100117

Matrix: WATER

Extracted: October 27, 1995

Sampled: October 26, 1995

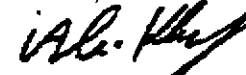
Run: 9126-A

Analyzed: October 27, 1995

Analyte	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (ug)
4-CHLOROPHENYLPHENYLETHER	N.D.	100	N.D.	
FLUORENE	N.D.	250	N.D.	
4-NITROANILINE	N.D.	100	N.D.	
4,6-DINITRO-2-METHYLPHENOL	N.D.	500	N.D.	
N-NITROSODI-N-PHENYLAMINE	N.D.	100	N.D.	
4-BROMOPHENYLPHENYLETHER	N.D.	250	N.D.	
HEXACHLOROBENZENE	N.D.	100	N.D.	
PENTACHLOROPHENOL	N.D.	500	N.D.	60
PHENANTHRENE	N.D.	100	N.D.	
ANTHRACENE	N.D.	100	N.D.	
DI-N-BUTYL PHTHALATE	N.D.	250	N.D.	
FLUORANTHENE	N.D.	100	N.D.	
PYRENE	N.D.	100	N.D.	50
BUTYL BENZYL PHTHALATE	N.D.	100	N.D.	
3,3'-DICHLOROBENZIDINE	N.D.	250	N.D.	
BENZO (A) ANTHRACENE	N.D.	100	N.D.	
BIS (2-ETHYLHEXYL) PHTHALATE	N.D.	100	N.D.	
CHRYSENE	N.D.	100	N.D.	
DI-N-OCTYL PHTHALATE	N.D.	250	N.D.	
BENZO (B) FLUORANTHENE	N.D.	100	N.D.	
BENZO (K) FLUORANTHENE	N.D.	100	N.D.	
BENZO (A) PYRENE	N.D.	100	N.D.	
INDENO (1,2,3-CD) PYRENE	N.D.	100	N.D.	
DIBENZO (A, H) ANTHRACENE	N.D.	100	N.D.	
BENZ (GHI) PERYLENE	N.D.	100	N.D.	
BENZOIC ACID	N.D.	100	N.D.	

For above sample: REPORTING LIMITS RAISED DUE TO MATRIX INTERFERENCE


Alex Tam
Chemist


Ali Kharrazi
Organic Manager