HK2, Inc. / SEMCO 1751 Leslie Street, San Mateo, CA 94402

FAX

Date: 3-12-97
Number of pages including cover sheet: 5

To:
JENNIFER EBERLE
ALAMEDA COUNTY
DEPARTMENT OF ENV. HEALTH

Phone: (510) 567-6761
Fax phone: (510) 337-9335
CC:

From:
MARK DYSERT SEMCO

Phone: 415-572-8033
Fax phone: 415-572-9734

REMARKS: ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

RE: 6060 San Pablo Ave, MADE IN JAPAN

PLEASE FIND ENCLOSED THE RESULTS FOR TPH-g, TPH-d, BTEX, 5 METALS AND OIL AND GREASE. THE 8010 AND 8270 (PER YOUR REQUEST ON CHAIN OF CUSTODY IF 5520 WAS > 100 ppm) ARE COMPLETED BUT WE HAVE NOT RCVD. THEM. I WILL FORWARD THESE RESULTS AS SOON AS I RECEIVE THEM. ADDITIONALLY THE CHROMIUM ANALYSIS FROM THE TANK CAVITY IS 50 PPM. THIS COULD BE HAZARDOUS IF ALL OF THE CHROMIUM LEACHED FROM THE SAMPLE, BUT PROBABLY WOULD BE HIGHLY UNLIKELY. QUESTION: SHOULD A STLC BE PERFORMED ON THIS SAMPLE.

Thanks
MARK

detected: 500 ppm TPHd
.030 ppm PCE @ ~ 6' bgs
low levels of TPHg + BTEX.
May need HP to look for ~~BTEX and 8240~~ ClHCs, TPHd in GW

Ask for P S A. work

Chlorinated compounds detected

97-098

North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

(415) 588-9652

Client: HKz, Inc.	Phone: 572-8033	Report to: HKz, Inc.	Turnaround Time
Mailing Address: 1751 Leslie St. San Mateo CA 94402		Billing to: HKz, Inc.	3 Hr / 24 Hr / 40 Hr / 5 Days / Other
Site Address: 600 San Pablo Ave, Albany		PO# / Billing Reference: 96-C300 Old FORD	
Sampler: Mark [illegible]	Date: 2-6-97		

ANALYSIS REQUESTED

Sample ID	Sample Description	Container # / type	Sampling Time/Date	TPH-D	TPH-G	BTEX	5520 O+G	8010	8270	ICAP Smetals			Remarks
1-300-W0E6	SOIL	1 BRASS	11:10am/2-6	X	X	X	X	X		X			
2-SPOILS	SOIL	1 BRASS	11:15am/2-6	X	X	X	X	X		X			

2 brass tubes — cold ✓

* If O+G >100 ppm run 8270 * on both samples

Relinquished by: [signature]	Date: 2/6/97 Time: 1:16 P	Received by: [signature] NSE	Were samples Preserved?	Yes / No ✓
Relinquished by:	Date: Time:	Received by:	In good condition?	Yes ✓
Relinquished by:	Date: Time	Received in lab by:		

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No: 97-098
Client: Semco/HK2, Inc.
Project: 660 San Pablo Ave.

Date Sampled: 02-06-97
Date Analyzed: 02-11-97
Date Reported: 02-20-97

Gasoline Range Hydrocarbons by Method 8015 M
Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel, Motor Oil Range Hydrocarbons by Method 8015 M

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
97-098-01	1-300-WO@6' SOIL	Benzene	8020	ND
		Toluene	8020	0.009 mg/Kg
		Ethylbenzene	8020	ND
		Xylenes	8020	0.019 mg/Kg
		Gasoline	8015M	0.83 mg/Kg
		Diesel	8015M	9 mg/Kg
		Motor Oil	8015M	NA
97-098-02	2-Spoils Comp Soil	Benzene	8020	ND
		Toluene	8020	0.007 mg/Kg
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Gasoline	8015M	ND
		Diesel	8015M	10 mg/Kg
		Motor Oil	8015M	NA

Quality Control/Quality Assurance Summary-Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	0.005 mg/Kg	ND	73	0
Toluene	8020	0.005 mg/Kg	ND	69	0
Ethylbenzene	8020	0.005 mg/Kg	ND	65	1
Xylenes	8020	0.010 mg/Kg	ND	56	2
Gasoline	8015M	0.5 mg/Kg	ND	81	8
Diesel	8015M	1.0 mg/Kg	ND	91	1

ELAP Certificate NO: 1753
Reviewed and Approved:

John A. Murphy, Laboratory Director

North State Environmental
Chemical Waste Disposal · Trucking · Controlling

CERTIFICATE OF ANALYSIS

Lab No:	97-098	Date Sampled:	02-06-97
Client:	Semco/HK2	Date Analyzed:	02-12-97
roject:	660 San Pablo Ave	Date Reported:	02-20-97

DETERMINATION OF TOTAL PETROLEUM HYDROCARBONS GRAVIMETRIC METHOD 5520 F

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
97-098-01	1-300-WO@6' SOIL	TEPH	5520 F	550 mg/Kg
97-098-02	2-Spoils Comp Soil	TEPH	5520 F	330 mg/Kg

QUALITY CONTROL/QUALITY ASSURANCE SUMMARY:

ANALYTE	METHOD	REPORTING LIMIT	BLANK	MS/MSD RECOVERY	RPD
TEPH	5520 F	50 mg/Kg	ND	75	11

ELAP Certificate NO: 1753
Reviewed and Approved:
John A. Murphy, Laboratory Director

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No:	97-098	Date Sampled:	2-06-97
Client:	Semco/ HK2	Date Analyzed:	2-10-97
Project:	660 San Pablo Ave. Albany	Date Reported:	2-20-97

TTLC Metals by Atomic Absoption Spectrsocopy
Sample prepared by Method 3050

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
97-098-01	1-300-WO@6' Soil	Nickel	7520	71 mg/Kg
		Zinc	7950	32 mg/Kg
		Chromium	7190	50 mg/Kg
		Cadmium	7130	ND
		Lead	7420	10 mg/Kg
97-098-02	2-Spoils Comp Soil	Nickel	7520	41 mg/Kg
		Zinc	7950	75 mg/Kg
		Chromium	7190	29 mg/Kg
		Cadmium	7130	ND
		Lead	7420	15 mg/Kg

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Nickel	7520	5.0 mg.Kg	ND	100/100	1
Zinc	7950	1.0 mg/Kg	ND	96/104	1
Chromium	7190	5.0 mg/Kg	ND	88/83	6
Cadmium	7130	2.0 mg/Kg	ND	105/108	3
Lead	7420	2.0 mg/Kg	ND	105/102	3

ELAP Certificate NO: 1753

Reviewed and Approved:

John A. Murphy, Laboratory Director

HK2, Inc. / SEMCO 1751 Leslie Street, San Mateo, CA 94402

FAX

Date: 3-12-97
Number of pages including cover sheet: 16

To: JENNIFER EBERLE
ALAMEDA COUNTY
DEPARTMENT OF ENV. HEALTH

Phone:
Fax phone: (510) 337-9335
CC:

From: MARK DYSERT

Phone: 415-572-8033
Fax phone: 415-572-9734

REMARKS: ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

8010 and 8270

Thanks
MARK

North State Environmental Analytical Laboratory

97-098

Chain of Custody/Request for Analysis

(415) 588-9652

Client: HK2, Inc.	Phone: 572-8033	Report to: HK2, Inc.	Turnaround Time
Mailing Address: 1751 Leslie St. San Mateo CA 94402		Billing to: HK2, Inc.	8 Hr ☐ 24 Hr ☐ 40 Hr ☐ 5 Days ☐
Site Address: 600 San Pablo Ave, Albany		PO # / Billing Reference: 96-0300 Old FC20	Other ☐
Sampler: Mark Dysert	Date: 2-6-97		

Sample ID.	Sample Description	Container # / type	Sampling Time/Date	ANALYSIS REQUESTED: TPH-D	TPH-G	BTEX	5520 O/G	8010	8270	ICAP Sweep			Remarks
1-300-water	Soil	1 BRASS	11:10am/2-6	X	X	X	X	X		X			
2-SOIL-5	Soil	1 BRASS	11:15am/2-6	X	X	X	X	X		X			
					2 brass tubes - cold								
				*	If O&G >100 ppm run 8270 on both samples								*

Relinquished by: Mark Dysert	Date: 2/6/97	Time: 1560	Received by: FedEx			Yes	No
Relinquished by:	Date:	Time:	Received by:	Were samples Preserved ?			✓
Relinquished by:	Date:	Time:	Received in lab by:	In good condition ?		✓	

North State Environmental
Chemical Waste Disposal • Trucking • Consulting

CERTIFICATE OF ANALYSIS

JOB NO:	97-098	Date Sampled:	2/6/97
CLIENT:	Semco/HK2	Date Analyzed:	2/20/97
PROJECT ID:	660 San Pablo Ave. Albany	Date Reported:	2/21/97

8010 Volatile halogenated organics by GC/MS Method 8260

Laboratory Number	97-098-01	97-098-02
Client ID	1-300-WD@6'	2-Spoils
Matrix	Soil	Soil
Analyte	Results	Results
Chloromethane	ND<25	ND<25
Vinyl Chloride	ND<25	ND<25
Bromomethane	ND<25	ND<25
Chloroethane	ND<25	ND<25
Trichlorofluoroethane	ND<5	ND<5
1,1-Dichloroethene	ND<5	ND<5
Methylene Chloride	ND<5	ND<5
trans-1,2-Dichloroethene	ND<5	ND<5
1,1-Dichloroethane	ND<5	ND<5
cis-1,2-Dichloroethene	ND<5	ND<5
Chloroform	ND<5	ND<5
1,1,1-Trichloroethane	ND<5	ND<5
Carbon Tetrachloride	ND<5	ND<5
1,2-Dichloroethane	ND<5	ND<5
Trichloroethene	ND<5	ND<5
Bromodichloroethane	ND<5	ND<5
trans-1,3-Dichloropropene	ND<5	ND<5
cis-1,3-Dichloropropene	ND<5	ND<5
1,1,2-Trichloroethane	ND<5	ND<5
Tetrachloroethene	30 ug/Kg	ND<5
Dibromobenzene	ND<5	ND<5
Chlorobenzene	ND<5	ND<5
1,1,2,2-Tetrachloroethane	ND<5	ND<5
1,3-Dichlorobenzene	ND<5	ND<5
1,4-Dichlorobenzene	ND<5	ND<5
1,2-Dichlorobenzene	ND<5	ND<5
Surrogate Recoveries		
1,2-Dichloroethane d4	129	70
Toluene d8	106	105
4-Bromofluorobenzene	97	77

P.O.Box 5624 • South San Francisco, California 94083 • 415.586.2838 FAX 588-1950

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

JOB NO:	97-098	Date Sampled:	2/6/97
CLIENT:	Semco/HK2	Date Analyzed:	2/20/97
PROJECT ID:	660 San Pable Ave. Albany	Date Reported:	2/21/97

8010 Volatile halogenated organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Laboratory Number	96-540	MS/MSD recoveries	RPD
Client ID	Blank		
Matrix	SOIL		
Analyte	**Results**		
Chloromethane	ND<25		
Vinyl Chloride	ND<25		
Bromomethane	ND<25		
Chloroethane	ND<25		
Trichlorofluoromethane	ND<5		
1,1-Dichloroethene	ND<5	107/108	1
Methylene Chloride	ND<5		
trans-1,2-Dichloroethene	ND<5		
1,1-Dichloroethane	ND<5		
cis-1,2-Dichloroethene	ND<5		
Chloroform	ND<5		
1,1,1-Trichloroethane	ND<5		
Carbon Tetrachloride	ND<5		
1,2-Dichloroethane	ND<5		
Trichloroethene	ND<5	83/85	3
Bromodichloroethane	ND<5		
trans-1,3-Dichloropropene	ND<5		
cis-1,3-Dichloropropene	ND<5		
1,1,2-Trichloroethane	ND<5		
Tetrachloroethene	ND<5		
Dibromochloroethane	ND<5		
Chlorobenzene	ND<5	106/106	1
1,1,2,2-Tetrachloroethane	ND<5		
1,3-Dichlorobenzene	ND<5		
1,4-Dichlorobenzene	ND<5		
1,2-Dichlorobenzene	ND<5		
Surrogate Recoveries			
1,2-Dichloroethane d4	131	94/94	0
Toluene d8	113	102/100	2
4-Bromofluorobenzene	108	102/103	1

Reviewed and Approved

John A. Murphy, Laboratory Director

P.O.Box 5624 • South San Francisco, California 94083 • 415-588-2838 FAX 588-1550

03/12/1997 15:52 4155729734 HK2 INC SEMCO PAGE 05

Mar-12-97 11:41A North State Environmental 14155881950 P.06

North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

22502

Chain of Custody / Request for Analysis

Lab Job No.: ______ Page 1 of 1

Client: N.S.E.

Report to: J. Murphy

Phone: (415) 588-2838

Fax: (415) 588-1950

Mailing Address: 90 S. Spruce Ave Ste W South San Francisco

Billing to:

PO# / Billing Reference: 97-098

Turnaround Time

Date: 3/3/97

Sampler:

Project / Site Address:

Analysis Requested: 8270

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	8270							Comments/Hazards
97-098-01	Soil	1 SS	none	3/3/97	X							
97-098-02	↓	↓	↓	↓	X							

Please Initial:

Samples Stored in ice. yes t = 2.5

Appropriate containers yes

Samples preserved

Called for P/U 3/3/97

Due 3/10/97 per A.S.

Relinquished by: Edward P. Grant	Date: 3/4/97 Time: 2:35	Received by: [signature]	Lab Comments
Relinquished by: [signature]	Date: 3/4/97 Time: 7 pm	Received by: [signature]	
Relinquished by:	Date: 3/4/97 Time: 19:02	Received by: [signature]	

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
90 SOUTH SPRUCE ST. UNIT W
SOUTH SAN FRANCISCO, CA 94053

Date: March 10, 1997

Attn: JOHN MURPHY

Laboratory Number : 22502

Project Number/Name : N/A

Dear JOHN MURPHY:

Attached is Superior Analytical Laboratory report for the samples received on March 4, 1997. This report has been reviewed and approved for release. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after April 3, 1997, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,

Afsaneh Salimpour
Project Manager

Superior Analytical Laboratory

CASE NARRATIVE

NORTH STATE ENVIRONMENTAL
Project Number/Name: N/A
Laboratory Number: 22502

Sample Receipt

Two soil samples were received by Superior Analytical Laboratory on March 4, 1997.

Cooler temperature was 2.5°C

No abnormalities were noted with sample recieving.

Sample Analysis

The samples were analysed for method 8270.

Customer Service: (800) 521-6109 • Laboratory: (510) 313-0850 • Facsimile: (510) 229-0916
Post Office Box 2648 • 835 Arnold Drive • Suite #106 • Martinez, California 94553
1555 Burke Street • Suite A • San Francisco, California 94124

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project
Reported on March 7, 1997

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

Chronology

Laboratory Number 22502

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
97-098-01	03/03/97	03/04/97	03/06/97	03/07/97	DC061.24	01
97-098-02	03/03/97	03/04/97	03/06/97	03/07/97	DC061.24	02

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
DC061.24-01	Method Blank	MB	Soil	03/06/97	03/06/97
DC061.24-02	Laboratory Spike	LS	Soil	03/06/97	03/06/97
DC061.24-03	Laboratory Spike Duplicate	LSD	Soil	03/06/97	03/07/97
DC061.24-04	97-098-02	MS 22502-02	Soil	03/06/97	03/07/97
DC061.24-05	97-098-02	MSD 22502-02	Soil	03/06/97	03/07/97

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project
Reported on March 7, 1997

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22502-01	97-098-01	Soil	2.0	-
22502-02	97-098-02	Soil	1.0	-

RESULTS OF ANALYSIS

Compound	22502-01 Conc. ug/Kg	RL	22502-02 Conc. ug/Kg	RL
bis(2-chloroethyl)ether	ND	600	ND	300
aniline	ND	600	ND	300
phenol	ND	600	ND	300
2-chlorophenol	ND	600	ND	300
1,3-dichlorobenzene	ND	600	ND	300
1,4-dichlorobenzene	ND	600	ND	300
1,2-dichlorobenzene	ND	600	ND	300
benzyl alcohol	ND	600	ND	300
bis-(2-chloroisopropyl)ether	ND	600	ND	300
2-methylphenol	ND	600	ND	300
hexachloroethane	ND	600	ND	300
n-nitroso-di-n-propylamine	ND	600	ND	300
4-methylphenol	ND	600	ND	300
nitrobenzene	ND	600	ND	300
isophorone	ND	600	ND	300
2-nitrophenol	ND	600	ND	300
2,4-dimethylphenol	ND	600	ND	300
bis(2-chloroethoxy)methane	ND	600	ND	300
2,4-dichlorophenol	ND	600	ND	300
1,2,4-trichlorobenzene	ND	600	ND	300
naphthalene	ND	600	ND	300
benzoic acid	ND	3000	ND	1500
4-chloroaniline	ND	600	ND	300
hexachlorobutadiene	ND	600	ND	300
4-chloro-3-methylphenol	ND	600	ND	300
2-methyl-naphthalene	ND	600	ND	300
hexaclorocyclopentadiene	ND	3000	ND	1500
2,4,6-trichlorophenol	ND	600	ND	300
2,4,5-trichlorophenol	ND	600	ND	300
2-chloronaphthalene	ND	600	ND	300
2-nitroaniline	ND	600	ND	300

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project
Reported on March 7, 1997

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22502-01	97-098-01	Soil	2.0	-
22502-02	97-098-02	Soil	1.0	-

RESULTS OF ANALYSIS

Compound	22502-01 Conc. ug/Kg	RL	22502-02 Conc. ug/Kg	RL
acenaphthylene	ND	600	ND	300
dimethylphthlate	ND	600	ND	300
2,6-dinitrotoluene	ND	600	ND	300
Acenaphthene	ND	600	ND	300
3-nitroaniline	ND	600	ND	300
2,4-dinitrophenol	ND	3000	ND	1500
dibenzofuran	ND	600	ND	300
2,4-dinitrotoluene	ND	600	ND	300
4-nitrophenol	ND	600	ND	300
fluorene	ND	600	ND	300
4-chlorophenyl-phenylether	ND	600	ND	300
diethylphthlate	ND	600	ND	300
4-nitroaniline	ND	3000	ND	1500
4,6-dinitro-2-methylphenol	ND	600	ND	300
n-nitrosodiphenylamine	ND	600	ND	300
4-bromo-phenyl-phenylether	ND	600	ND	300
hexachlorobenzene	ND	600	ND	300
pentachlorophenol	ND	3000	ND	1500
phenanthrene	1200	600	ND	300
anthracene	ND	600	ND	300
di-n-butylphthlate	ND	600	ND	300
fluoranthene	1500	600	ND	300
benzidine	ND	3000	ND	1500
pyrene	2000	600	ND	300
butylbenzylphthlate	ND	600	ND	300
3,3'-dichlorobenzidine	ND	600	ND	300
Benzo(a)Anthracene	ND	600	ND	300
chrysene	ND	600	ND	300
bis(2-ethylhexyl)phthalate	ND	600	810	300
di-n-octylphthalate	ND	600	ND	300
Benzo(b)Fluoranthene	ND	600	ND	300

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project
Reported on March 7, 1997

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
22502-01	97-098-01	Soil	2.0	-
22502-02	97-098-02	Soil	1.0	-

RESULTS OF ANALYSIS

Compound	22502-01 Conc. ug/Kg	RL	22502-02 Conc. ug/Kg	RL
Benzo(k)Fluoranthene	ND	600	ND	300
Benzo(a)Pyrene	ND	600	ND	300
Indeno(1,2,3)Pyrene	ND	600	ND	300
dibenzo[a,h]anthracene	ND	600	ND	300
9H-Carbazole	ND	600	ND	300
Benzo(g,h,i)Perylene	ND	600	ND	300
>> Surrogate Recoveries (%) <<				
2-fluorophenol	62		72	
phenol-d5	70		82	
nitrobensene-d5	72		76	
2-fluorobiphenyl	76		81	
2,4,6-tribromophenol	72		74	
terphenyl-d14	114		122	

Superior Analytical Laboratory

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 22502
Method Blank(s)

	DC051.24-01 Conc. ug/Kg	RL
bis(2-chloroethyl)ether	ND	300
aniline	ND	300
phenol	ND	300
2-chlorophenol	ND	300
1,3-dichlorobenzene	ND	300
1,4-dichlorobenzene	ND	300
1,2-dichlorobenzene	ND	300
benzyl alcohol	ND	300
bis-(2-chloroisopropyl)ether	ND	300
2-methylphenol	ND	300
hexachloroethane	ND	300
n-nitroso-di-n-propylamine	ND	300
4-methylphenol	ND	300
nitrobenzene	ND	300
isophorone	ND	300
2-nitrophenol	ND	300
2,4-dimethylphenol	ND	300
bis(2-chloroethoxy)methane	ND	300
2,4-dichlorophenol	ND	300
1,2,4-trichlorobenzene	ND	300
naphthalene	ND	300
benzoic acid	ND	1500
4-chloroaniline	ND	300
hexachlorobutadiene	ND	300
4-chloro-3-methylphenol	ND	300
2-methyl-naphthalene	ND	300
hexachlorocyclopentadiene	ND	1500
2,4,6-trichlorophenol	ND	300
2,4,5-trichlorophenol	ND	300
2-chloronaphthalene	ND	300
2-nitroaniline	ND	300
acenaphthylene	ND	300
dimethylphthlate	ND	300
2,6-dinitrotoluene	ND	300
Acenaphthene	ND	300
3-nitroaniline	ND	300
2,4-dinitrophenol	ND	1500

Superior Analytical Laboratory

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 22502
Method Blank(s)

	DC061.24-01 Conc. ug/Kg	RL
dibenzofuran	ND	300
2,4-dinitrotoluene	ND	300
4-nitrophenol	ND	300
fluorene	ND	300
4-chlorophenyl-phenylether	ND	300
diethylphthlate	ND	300
4-nitroaniline	ND	1500
4,6-dinitro-2-methylphenol	ND	300
n-nitrosodiphenylamine	ND	300
4-bromo-phenyl-phenylether	ND	300
hexachlorobensene	ND	300
pentachlorophenol	ND	1500
phenanthrene	ND	300
anthracene	ND	300
di-n-butylphthlate	ND	300
fluoranthene	ND	300
benzidine	ND	1500
pyrene	ND	300
butylbenzylphthlate	ND	300
3,3'-dichlorobenzidine	ND	300
Benzo(a)Anthracene	ND	300
chrysene	ND	300
bis(2-ethylhexyl)phthalate	ND	300
di-n-octylphthalate	ND	300
Benzo(b)Fluoranthene	ND	300
Benzo(k)Fluoranthene	ND	300
Benzo(a)Pyrene	ND	300
Indeno(1,2,3)Pyrene	ND	300
dibenzo[a,h]anthracene	ND	300
9H-Carbazole	ND	300
Benzo(g,h,i)Perylene	ND	300

Superior Analytical Laboratory

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 22502
Method Blank(s)

DC061.24-01
Conc. RL
ug/Kg

>> Surrogate Recoveries (%) <<	
2-fluorophenol	84
phenol-d5	86
nitrobenzene-d5	86
2-fluorobiphenyl	87
2,4,6-tribromophenol	83
terphenyl-d14	81

Superior Analytical Laboratory

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 22502

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Soil Matrix (ug/Kg)						
DC061.24 02 / 03 - Laboratory Control Spikes						
phenol		3300	2518/2630	76/80	35-107	5
2-chlorophenol		3300	2665/2619	81/79	44-101	3
1,4-dichlorobenzene		1650	1266/1206	77/73	37-116	5
n-nitroso-di-n-propylamine		1650	1287/1399	78/85	53-127	9
1,2,4-trichlorobenzene		1650	1220/1237	74/75	45-115	1
4-chloro-3-methylphenol		3300	2430/2654	74/80	49-101	8
Acenaphthene		1650	1350/1341	82/81	52-126	1
2,4-dinitrotoluene		1650	1130/1230	68/75	37-127	10
4-nitrophenol		3300	2392/2839	72/86	11-114	18
pentachlorophenol		3300	2364/2700	72/82	11-130	13
pyrene		1650	1316/1462	80/89	39-138	11
>> Surrogate Recoveries (%) <<						
2-fluorophenol				82/75	14-116	
phenol-d5				85/86	26-134	
nitrobenzene-d5				87/85	9-133	
2-fluorobiphenyl				86/84	23-134	
2,4,6-tribromophenol				84/85	20-136	
terphenyl-d14				86/90	21-140	
For Soil Matrix (ug/Kg)						
DC061.24 04 / 05 - Sample Spiked: 22502 - 02						
phenol	ND	3300	2565/2540	78/77	35-107	1
2-chlorophenol	ND	3300	2625/2649	80/80	44-101	0
1,4-dichlorobenzene	ND	1650	1290/1263	78/77	37-116	1
n-nitroso-di-n-propylamine	ND	1650	1355/1349	82/82	53-127	0
1,2,4-trichlorobenzene	ND	1650	1188/1184	72/72	45-115	0
4-chloro-3-methylphenol	ND	3300	2407/2364	73/72	49-101	1
Acenaphthene	ND	1650	1242/1248	75/76	52-126	1
2,4-dinitrotoluene	ND	1650	826/821	50/50	37-127	0
4-nitrophenol	ND	3300	1057/1069	32/32	11-114	0
pentachlorophenol	ND	3300	1928/1905	58/58	11-130	0

Superior Analytical Laboratory

EPA SW-846 Method 8270 Semivolatile Organics by GC/MS

Quality Assurance and Control Data

Laboratory Number: 22902

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
pyrene	ND	1650	1951/2128	118/129	39-138	9
>> Surrogate Recoveries (%) <<						
2-fluorophenol				76/74	14-116	
phenol-d5				82/80	26-134	
nitrobenzene-d5				74/74	9-133	
2-fluorobiphenyl				78/78	23-134	
2,4,6-tribromophenol				70/70	20-136	
terphenyl-d14				110/120	21-140	

Definitions:
ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)