

gettler - ryan inc.

## FACSIMILE COVER SHEET

TO:

Pam Evans

COMPANY:

AC Haz Mat Management

FROM:

Jeff Monroe

DATE:

[REDACTED]

RE:

Former Curran 5<sup>th</sup> 5630 (997 Grant Ave)

COMMENTS:

Lab results to date. Both  
Stockpiles, sidewalks & pit bottom.

Note: Pam: Work is going slow due to rain.

Let's schedule sampling for Thursday  
15 pages including cover. afternoon, I'll call to

Also, I did not include site plan  
with stockpile location because they  
keep changing

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL (415) 783-7500.

Groundwater?

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

DOHS #1332

## CERTIFICATE OF ANALYSIS

LABORATORY NO.: 11393  
CLIENT: Chevron USA Inc.  
CLIENT JOB NO.: 727802

DATE RECEIVED: 01/18/91  
DATE REPORTED: 01/28/91

Page 1 of 3

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11393-1	CT-12	01/18/91	01/24/91
11393-2	CS-9A,B,C,D	01/18/91	01/24/91
11393-3	CS-10,A,B,C,D	01/18/91	01/24/91
11393-4	CS-11,A,B,C,D	01/18/91	01/24/91
11393-5	CS-12,A,B,C,D	01/18/91	01/24/91
11393-6	CS-13,A,B,C,D	01/18/91	01/24/91
11393-7	CS-14,A,B,C,D	01/18/91	01/24/91
11393-8	CS-15A,B,C,D	01/18/91	01/24/91
11393-9	CS-16A,B,C,D	01/18/91	01/24/91
11393-10	CS-17A,B,C,D	01/18/91	01/24/91

Laboratory Number:	11393	11393	11393	11393	11393
	1	2	3	4	5

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	6000	98	300	99	230
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	0.600	ND<.010	ND<.030	ND<.150	ND<.030
TOLUENE:	17	.023	.068	ND<.150	.260
ETHYL BENZENE:	56	.031	.220	.280	.590
XYLENES:	400	.94	7	3	6

Laboratory Number:	11393	11393	11393	11393	11393
	6	7	8	9	10

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	220	63
TPH/GASOLINE RANGE:	86	78	45	24	63
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.150	ND<.150	.040	ND<.010	ND<.015
TOLUENE:	.250	ND<.150	.031	.011	.062
ETHYL BENZENE:	.250	.190	.100	.035	.092
XYLENES:	3	3	590	.120	.160

OUTSTANDING QUALITY AND SERVICE

**SUPERIOR ANALYTICAL LABORATORY, INC.**

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DOHS #1332

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 11393  
 CLIENT: Chevron USA Inc.  
 CLIENT JOB NO.: 727802

DATE RECEIVED: 01/18/91  
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Page 2 of 3

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11393-11	CS-18A,B,C,D	01/15/91	01/24/91
11393-12	CS-19A,B,C,D	01/15/91	01/24/91
11393-13	CS-20A,B,C,D	01/15/91	01/24/91
11393-14	CS-21A,B,C,D	01/15/91	01/24/91
11393-15	CS-22A,B,C,D	01/15/91	01/24/91
11393-16	CS-23A,B,C,D	01/15/91	01/24/91
11393-17	CS-24A,B,C,D	01/15/91	01/24/91
11393-18	CS-25A,B,C,D	01/15/91	01/24/91

Laboratory Number:	11393	11393	11393	11393	11393
	11	12	13	14	15

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	610	NA	NA	NA	NA
TPH/GASOLINE RANGE:	36	600	26	49	20
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.010	ND<.150	ND<.018	ND<.013	ND<.012
TOLUENE:	.038	.190	.051	.032	ND<.012
ETHYL BENZENE:	.019	2	ND<.018	ND<.013	ND<.012
XYLENES:	.260	12	.043	1	0.500

Laboratory Number:	11393	11393	11393
	16	17	18

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)		
OIL AND GREASE:	NA	NA	NA
TPH/GASOLINE RANGE:	8	7	ND<.1
TPH/DIESEL RANGE:	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005
XYLENES:	.200	.027	.006

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1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 11309  
 CLIENT: Chevron USA  
 CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90  
 DATE REPORTED: 01/03/91

Page 1 of 5

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309- 1	CW-1B	12/18/90	12/28/90
11309- 2	CW-2✓	12/18/90	12/28/90
11309- 3	CW-3✓	12/18/90	12/28/90
11309- 4	CW-4✓	12/18/90	12/28/90
11309- 5	CW-5	12/18/90	12/28/90
11309- 6	1B	12/18/90	12/28/90
11309- 7	2S	12/18/90	12/28/90
11309- 8	CX-3S	12/18/90	12/28/90
11309- 9	CX-4B	12/18/90	12/28/90
11309-10	CX-5B	12/18/90	12/28/90

*Waste oil tank sidewall + bottom samples  
 → N.D. xylenes*

*> N.D. TPH + BTEX      TPH g ~ 1500 ppm  
 NW side + bottom samples*

Laboratory Number:	11309	11309	11309	11309	11309
	1	2	3	4	5
	CW-1B	CW-2	CW-3	CW-4	CW-5

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	ND<50	ND<50	ND<50	ND<50	ND<50
TPH/GASOLINE RANGE:	ND<1	ND<1	ND<1	ND<1	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
TOLUENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
ETHYL BENZENE:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
XYLENES:	ND<.005	<del>0.010</del>	<del>0.007</del>	<del>0.010</del>	ND<.005

Laboratory Number:	11309	11309	11309	11309	11309
	6	7	8	9	10

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	<del>1600</del>	<del>12</del>	<del>6</del>	<del>1700</del>	<del>1600</del>
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	<del>1.2</del>	<del>0.014</del>	<del>0.009</del>	<del>0.40</del>	<del>0.39</del>
TOLUENE:	<del>50</del>	<del>0.100</del>	<del>0.014</del>	<del>31</del>	<del>32</del>
ETHYL BENZENE:	<del>29</del>	<del>0.096</del>	<del>0.100</del>	<del>25</del>	<del>24</del>
XYLENES:	<del>180</del>	<del>0.38</del>	<del>0.075</del>	<del>150</del>	<del>140</del>

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 CLIENT: Chevron USA  
 CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90  
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Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309-11	CX-6S } SW side + bottom samples -> N.D. TPHg, BTEX	12/18/90	12/28/90
11309-12	CX-7B } 730 ppm	12/18/90	12/28/90
11309-13	CX-8S } 4500	12/18/90	12/28/90
11309-14	CX-9B } 1100	12/18/90	12/28/90
11309-15	CX-10B } SW side + bottom samples -> NO TPHg, BTEX	12/18/90	12/28/90
11309-16	CX-11S } 780	12/18/90	12/28/90
11309-17	CX-12S } 780	12/18/90	12/28/90
11309-18	CX-13S } 220	12/18/90	12/28/90
11309-18	CX-13S } NW side + bottom samples -> NO TPHg, BTEX	12/18/90	12/29/90
11309-19	CX-14S } 1900	12/18/90	12/28/90
11309-20	CT-1 - piping >ND-xylenes	12/18/90	12/28/90

Laboratory Number:	11309	11309	11309	11309	11309
	11	12	13	14	15

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	6	730	4500	1100	54
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	0.005	0.89	0.70	ND<0.3	0.026
TOLUENE:	0.013	19	10	9.9	0.23
ETHYL BENZENE:	0.040	11	39	15	0.38
XYLENES:	0.12	62	210	80	1.6

Laboratory Number:	11309	11309	11309	11309	11309
	16	17	18	19	20

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	780	220	1900	680	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	0.35	0.17	0.45	ND<0.3	ND<.005
TOLUENE:	11	0.070	16	6.0	ND<.005
ETHYL BENZENE:	11	7	28	9.6	ND<.005
XYLENES:	55	0.30	160	57	0.009

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Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309-21	CT-2 West piping/island - > ND - up to 3400 ppm TPH	12/18/90	12/28/90
11309-22	CT-3 + mostly > ND BTEX	12/18/90	01/02/91
11309-23	CT-4	12/18/90	12/28/90
11309-24	CT-5 South piping/island - > ND TPH <sub>4</sub> + BTEX	12/18/90	01/02/91
11309-25	CT-6	12/18/90	12/28/90
11309-26	CT-7	12/18/90	12/28/90
11309-27	CT-8	12/18/90	12/28/90
11309-28	CT-9	12/18/90	12/28/90
11309-29	CT-10	12/18/90	12/28/90
11309-30	CT-11	12/18/90	12/28/90

Laboratory Number:	11309	11309	11309	11309	11309
	21	22	23	24	25

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
	11309-21	11309-22	11309-23	11309-24	11309-25
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	3400	8	8	ND<1	5
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.5	0.12	0.11	0.010	0.031
TOLUENE:	1.7	0.10	0.069	ND<.005	0.010
ETHYL BENZENE:	12	0.35	0.26	ND<.005	ND<.005
XYLENES:	80	0.30	0.15	0.017	0.15

Laboratory Number:	11309	11309	11309	11309	11309
	26	27	28	29	30

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
	11309-26	11309-27	11309-28	11309-29	11309-30
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	2	ND<1	3	13	4
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<.005	ND<.005	ND<.005	0.029	0.45
TOLUENE:	0.008	ND<.005	0.012	0.010	ND<.005
ETHYL BENZENE:	0.007	ND<.005	ND<.005	0.29	0.11
XYLENES:	0.030	0.005	0.030	0.61	0.062

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CLIENT: Chevron USA  
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/18/90  
DATE REPORTED: 01/03/91

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Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
11309-31	CH-1	12/18/90	01/02/91
11309-32	CS1 A,B,C,D COMP	12/18/90	01/02/91
11309-33	CS2 A,B,C,D COMP	12/18/90	01/02/91
11309-34	CS3 A,B,C,D COMP	12/18/90	12/29/90
11309-35	CS4 A,B,C,D COMP	12/18/90	01/02/91
11309-36	CS5 A,B,C,D COMP	12/18/90	01/02/91
11309-37	CS6 A,B,C,D COMP	12/18/90	01/02/91
11309-38	CS7 A,B,C,D COMP	12/18/90	12/29/90
11309-39	CS8 A,B,C,D COMP	12/18/90	12/29/90

Laboratory Number:	11309	11309	11309	11309	11309
	31	32	33	34	35

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	8	180	63	ND<1	110
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	7.8	0.052	ND<.050	ND<.005	0.048
TOLUENE:	19	0.35	ND<.050	ND<.005	0.18
ETHYL BENZENE:	2.7	0.41	0.24	ND<.005	0.44
XYLENES:	17	6.1	1.2	0.009	4.2

Laboratory Number:	11309	11309	11309	11309
	36	37	38	39

ANALYTE LIST	Amounts/Quantitation Limits (mg/kg)			
OIL AND GREASE:	ND<50	NA	NA	NA
TPH/GASOLINE RANGE:	ND<1	50	150	ND<1
TPH/DIESEL RANGE:	NA	NA	NA	NA
BENZENE:	ND<.005	ND<0.05	ND<0.3	ND<.005
TOLUENE:	ND<.005	0.086	1.0	ND<.005
ETHYL BENZENE:	ND<.005	0.13	1.5	ND<.005
XYLENES:	0.010	0.69	12	0.007

OUTSTANDING QUALITY AND SERVICE





# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

## CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-3  
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90  
DATE REPORTED: 01/03/91  
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS  
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-3

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)

QC DATA:

Surrogate Recoveries	QC Limits	
	water	soil
1,2-DCA-d4.....	78-114	81-117
Toluene-d8.....	88-110	81-140
Bromofluorobenzene.....	86-115	74-121

comments:

Richard Srna, Ph.D.

*Richard Srna*  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081  
CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-4  
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90  
DATE REPORTED: 01/03/91  
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS  
by Gas Chromatography/ Mass Spectrometry


SAMPLE: OW-4

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)

QC DATA:	Surrogate Recoveries	QC Limits
1,2-DCA-d4.....	100%	water 81-117
Toluene-d8.....	101%	76-114 81-140
Bromofluorobenzene.....	96%	88-110 74-121
		86-115

comments:

Richard Srna, Ph.D.  
  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORY, INC.

1555 BURKE, UNIT I - SAN FRANCISCO, CA 94124 - PHONE (415) 647-2081

## CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-8  
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90  
DATE REPORTED: 01/03/91  
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS  
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CW-5

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)

QC DATA:

Surrogate Recoveries

QC Limits

1,2-DCA-d4	99%
Toluene-d8	104%
Bromofluorobenzene	94%

water	soil
76-114	81-117
88-110	81-140
86-115	74-121

comments:

Richard Srna, Ph.D.

*Richard Srna*  
Laboratory Director

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1555 BURKE, UNIT I • SAN FRANCISCO, CA 94124 • PHONE (415) 647-2081

## CERTIFICATE OF ANALYSIS

LABORATORY NO. 11309-37  
CLIENT: Chevron USA

DATE RECEIVED: 12/19/90  
DATE REPORTED: 01/03/91  
JOB NO. 7278

EPA SW-846 METHOD 8240 - VOLATILE ORGANICS  
by Gas Chromatography/ Mass Spectrometry

SAMPLE: CS5 A,B,C,D Comp

Compound	ug/kg	Compound	ug/kg
Chloromethane	ND<50	Cis-1,3-Dichloropropene	ND<15
Bromomethane	ND<50	Trichloroethene	ND<15
Vinyl Chloride	ND<50	Dibromochloromethane	ND<15
Chloroethane	ND<50	1,1,2-Trichloroethane	ND<15
Methylene Chloride	ND<50	Benzene	ND<10
Acetone	ND<50	Trans-1,3-Dichloropropene	ND<15
Carbon disulfide	ND<15	2-Chloroethyl vinyl ether	ND<15
Trichlorofluoromethane	ND<15	Bromoform	ND<15
1,1-Dichloroethene	ND<15	4-Methyl-2-Pentanone	ND<50
1,1-Dichloroethane	ND<15	2-Hexanone	ND<50
1,2-Dichloroethene (total)	ND<15	Tetrachloroethene	ND<15
Chloroform	ND<15	1,1,2,2-Tetrachloroethane	ND<15
1,2-Dichloroethane	ND<15	Toluene	ND<15
2-Butanone	ND<100	Chlorobenzene	ND<15
1,1,1-Trichloroethane	ND<15	Ethylbenzene	ND<15
Carbon Tetrachloride	ND<15	Styrene	ND<15
Vinyl Acetate	ND<50	Total Xylenes	ND<15
Bromodichloromethane	ND<15	1,3-Dichlorobenzene	ND<15
1,2-Dichloropropane	ND<15	1,2&1,4-Dichlorobenzenes	ND<15

ug/kg = part per billion (ppb)

QC DATA:

Surrogate Recoveries	QC Limits	
	water	soil
1,2-DCA-d4.....	76-114	81-117
Toluene-d8.....	88-110	81-140
Bromofluorobenzene.....	86-115	74-121

comments:

Richard Srna, Ph.D.

*Richard Srna*  
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

# SUPERIOR ANALYTICAL LABORATORIES, INC.

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DOHS #319  
DOHS #220

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 82154  
CLIENT: Gettler Ryan Co.  
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90  
DATE REPORTED: 01/03/91

### ANALYSIS FOR TOTAL NICKEL by SW-846 Method 7520

LAB #	Sample Identification	Concentration (mg/Kg) Total Nickel
1	CW-1B	33
2	CW-2	27
3	CW-3	22
4	CW-4	22
5	CW-5	27
6	CB5 A-D	21

mg/Kg - parts per million (ppm)

Method Detection Limit for Nickel in Soil: 3 mg/Kg

QA/QC Summary: MS/MSD Average Recovery : 71%  
Duplicate RPD : 16

Richard Arna, Ph.D.

*Richard Arna*  
Laboratory Manager

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## C E R T I F I C A T E O F A N A L Y S I S

LABORATORY NO.: 82154  
CLIENT: Gettler Ryan Co.  
CLIENT JOB NO.: 7278

DATE RECEIVED: 12/19/90  
DATE REPORTED: 01/03/91

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD & ZINC  
by EPA SW-846 Methods 7130, 7190, 7420, 7950 Respectively

LAB #	Sample Identification	Concentration (mg/Kg)			
		Cadmium	Chromium	Lead	Zinc
1	CW-1B	ND<0.6	25	ND<10	38
2	CW-2	ND<0.6	21	ND<10	32
3	CW-3	ND<0.6	18	ND<10	27
4	CW-4	ND<0.6	14	ND<10	34
5	CW-5	ND<0.6	21	ND<10	47
6	GS6 A-D	ND<0.6	15	ND<10	100

mg/Kg - parts per million (ppm)

Method Detection Limit for Cadmium in Soil: 0.6 mg/Kg  
Method Detection Limit for Chromium in Soil: 6 mg/Kg  
Method Detection Limit for Lead in Soil: 10 mg/Kg  
Method Detection Limit for Zinc in Soil: 0.2 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 78%  
Duplicate RPD : <1

Richard Srna, Ph.D.

*Richard Srna*  
Laboratory Manager

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DOHS #220

## CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82268  
CLIENT: Gettler Ryan Co.  
CLIENT JOB NO.: 7278 02

DATE RECEIVED: 01/11/91  
DATE REPORTED: 01/11/91

### ANALYSIS FOR TOTAL ORGANIC LEAD by DHS Method (LUFT Manual)

LAB #	Sample Identification	Concentration (mg/Kg)
1	C2-1 (A-D) COMP	ND<2

mg parts per million (ppm)

Method Detection Limit for Organic Lead in Soil: 2 mg/Kg

QA/QC Summary: MS/MSD Average Recovery : 99%  
Duplicate RPD : 1

Richard Srna, Ph.D.

Laboratory Manager

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