



Metals by EPA 6010B and EPA 7471A

Client: Lovell Construction
Project: Pauley Tank Farm
Job No: 30143
Matrix: Soil
Analyst: TLB

Date Sampled: 09/10/07
Date Received: 09/10/07
Date Digested: 09/12/07
Date Analyzed: 09/13/07
Batch Number: 6010S4064
7471S1623

Metals	Method	Sample ID:	Blank	PAULEY SAMPLE 1
		RL	mg/Kg	mg/Kg
Antimony	6010B	5.0	ND	ND
Arsenic	6010B	1.0	ND	48.3
Barium	6010B	0.50	ND	334
Beryllium	6010B	0.50	ND	ND
Cadmium	6010B	0.50	ND	0.74
Chromium	6010B	0.50	ND	33.0
Cobalt	6010B	0.50	ND	8.82
Copper	6010B	1.0	ND	41.4
Lead	6010B	1.0	ND	59.7
Molybdenum	6010B	5.0	ND	ND
Nickel	6010B	1.0	ND	57.8
Selenium	6010B	5.0	ND	ND
Silver	6010B	2.0	ND	ND
Thallium	6010B	10	ND	ND
Vanadium	6010B	5.0	ND	32.4
Zinc	6010B	10	ND	121
Mercury	7471A	0.02	ND	0.03

QC Sample Report - Metals by EPA 6010B and EPA 7471A

Matrix: Soil

Metals by EPA 6010B

Batch Number: 6010S4064

Spike Sample ID: Laboratory Control Sample

MS/MSD Sample ID: 30151-6

Analytical Notes:

Compound	Batch Accuracy Results				Batch Precision Results				
	Spike Concentration (mg/Kg)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail	MS Sample Result (mg/Kg)	MSD Sample Result (mg/Kg)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Antimony	50	105	75 - 125	Pass	43.95	43.82	0%	20%	Pass
Arsenic	50	100	75 - 125	Pass	49.10	47.18	4%	20%	Pass
Barium	50	98	75 - 125	Pass	142.4	144.8	2%	20%	Pass
Beryllium	50	100	75 - 125	Pass	46.40	46.91	1%	20%	Pass
Cadmium	50	100	75 - 125	Pass	42.34	42.37	0%	20%	Pass
Chromium	50	102	75 - 125	Pass	54.00	54.34	1%	20%	Pass
Cobalt	50	102	75 - 125	Pass	46.32	46.33	0%	20%	Pass
Copper	50	108	75 - 125	Pass	52.35	53.14	1%	20%	Pass
Lead	50	99	75 - 125	Pass	41.17	42.18	2%	20%	Pass
Molybdenum	50	101	75 - 125	Pass	44.04	44.21	0%	20%	Pass
Nickel	50	103	75 - 125	Pass	52.06	51.80	1%	20%	Pass
Selenium	50	100	75 - 125	Pass	45.82	45.53	1%	20%	Pass
Silver	50	102	75 - 125	Pass	42.50	43.05	1%	20%	Pass
Thallium	50	104	75 - 125	Pass	38.30	38.89	2%	20%	Pass
Vanadium	50	100	75 - 125	Pass	66.47	67.92	2%	20%	Pass
Zinc	50	112	75 - 125	Pass	71.26	74.78	5%	20%	Pass

Analytical Notes:

Mercury by EPA 7471A

Batch Number: 7471S1623

Spike Sample ID: Laboratory Control Sample

MS/MSD Sample ID: 30151-6

Analytical Notes:

Compound	Batch Accuracy Results				Batch Precision Results				
	Spike Concentration (mg/Kg)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail	MS Sample Result (mg/Kg)	MSD Sample Result (mg/Kg)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Mercury	0.42	93	75 - 125	Pass	0.435	0.449	3%	20%	Pass

Analytical Notes:

MS: Matrix Spike

LCS: Laboratory Control Sample

MSD: Matrix Spike Duplicate

LCSD: Laboratory Control Sample Duplicate

C6 to C40 Hydrocarbons by GCMS and GC/FID

Client: Lovell Construction
 Project: Pauley Tank Farm
 Job No.: 30143
 Matrix: Soil
 Analyst: TU / AW

Date Sampled: 09/10/07
 Date Received: 09/10/07
 Batch Number: MS4TPHGW3816
 8015DS4163

Carbon Chain Length:	C6-C12	C12-C22	C22-C40
Reporting Limits:	25	500	1,000
Units:	mg/Kg	mg/Kg	mg/Kg
Method Blank	ND	ND	ND
Pauley Sample 1	130	25,000	18,000
Method:	GCMS	GC/FID	GC/FID
Date Extracted:	N/A	09/12/07	09/12/07
Date Analyzed:	09/12/07	09/12-13/07	09/12-13/07



QC Sample Report - Extractable Hydrocarbons as Diesel by GC/FID

Matrix: Soil
Batch Number: 8015DS4163

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	Spike Concentration (mg/Kg)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Diesel	100	87	70 - 130	Pass

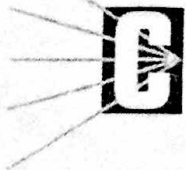
Batch Precision Results

MS/MSD Sample ID: 30144-8

Analytical Notes:

Compound	MS Sample Result (mg/Kg)	MSD Sample Result (mg/Kg)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Diesel	75.5	78.9	4%	25%	Pass

MS: Matrix Spike LCS: Laboratory Control Sample
MSD: Matrix Spike Duplicate LCSD: Laboratory Control Sample Duplicate



QC Sample Report - Volatile Hydrocarbons as Gasoline by GCMS

Matrix: Water

Batch Number: MS4TPHGW3816

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (mg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Gasoline	2.0	98	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Compound	MS Sample Result (mg/L)	MSD Sample Result (mg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Gasoline	1.97	1.89	4%	25%	Pass

Analytical Notes:

MS: Matrix Spike

MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

Volatile Organic Compounds by EPA 8260B

Client: Lovell Construction
 Project: Pauley Tank Farm
 Job No.: 30143
 Matrix: Soil
 Analyst: GF

Date Sampled: 09/10/07
 Date Received: 09/10/07
 Date Analyzed: 09/12/07
 Batch Number: MS48260W3816

Compounds	Sample ID:	Blank	Pauley Sample 1
	RL	mg/Kg	mg/Kg
Acetone	2.5	ND	ND
tert-Amyl Methyl Ether (TAME)	0.10	ND	ND
Benzene	0.050	ND	0.28
Bromobenzene	0.25	ND	ND
Bromochloromethane	0.25	ND	ND
Bromodichloromethane	0.05	ND	ND
Bromoform	0.25	ND	ND
Bromomethane	0.25	ND	ND
tert-Butanol (TBA)	1.0	ND	ND
2-Butanone (MEK)	0.50	ND	ND
n-Butylbenzene	0.10	ND	0.28
sec-Butylbenzene	0.10	ND	0.29
tert-Butylbenzene	0.10	ND	ND
Carbon disulfide	0.50	ND	ND
Carbon tetrachloride	0.050	ND	ND
Chlorobenzene	0.050	ND	ND
Chloroethane	0.25	ND	ND
Chloroform	0.10	ND	ND
Chloromethane	0.050	ND	ND
2-Chlorotoluene	0.10	ND	ND
4-Chlorotoluene	0.10	ND	ND
Dibromochloromethane	0.10	ND	ND
1,2-Dibromoethane	0.10	ND	ND
1,2-Dibromo-3-chloropropane	0.50	ND	ND
Dibromomethane	0.050	ND	ND
1,2-Dichlorobenzene	0.050	ND	ND
1,3-Dichlorobenzene	0.10	ND	ND
1,4-Dichlorobenzene	0.10	ND	ND
Dichlorodifluoromethane	0.25	ND	ND
1,1-Dichloroethane	0.050	ND	ND
1,2-Dichloroethane	0.050	ND	ND
1,1-Dichloroethene	0.25	ND	ND
cis-1,2-Dichloroethene	0.10	ND	ND
trans-1,2-Dichloroethene	0.10	ND	ND
1,2-Dichloropropane	0.050	ND	ND
1,3-Dichloropropane	0.050	ND	ND
2,2-Dichloropropane	0.050	ND	ND
1,1-Dichloropropene	0.050	ND	ND

Volatile Organic Compounds by EPA 8260B

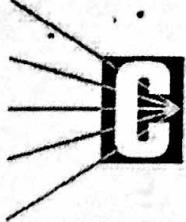
Client: Lovell Construction
 Project: Pauley Tank Farm
 Job No.: 30143
 Matrix: Soil
 Analyst: GF

Date Sampled: 09/10/07
 Date Received: 09/10/07
 Date Analyzed: 09/12/07
 Batch Number: MS48260W3816

Compounds	Sample ID:	Blank	Pauley Sample 1
	RL	mg/Kg	mg/Kg
cis-1,3-Dichloropropene	0.050	ND	ND
trans-1,3-Dichloropropene	0.050	ND	ND
Diisopropyl Ether (DIPE)	0.10	ND	ND
Ethylbenzene	0.050	ND	0.77
Ethyl tert-Butyl Ether (EtBE)	0.10	ND	ND
Hexachlorobutadiene	0.050	ND	ND
2-Hexanone	0.50	ND	ND
Isopropylbenzene	0.050	ND	0.34
p-Isopropyltoluene	0.10	ND	0.44
Methylene chloride	2.5	ND	ND
4-Methyl-2-pentanone	0.50	ND	ND
Methyl tert-Butyl Ether (MtBE)	0.10	ND	ND
Naphthalene	0.10	ND	0.57
n-Propylbenzene	0.050	ND	0.53
Styrene	0.050	ND	ND
1,1,1,2-Tetrachloroethane	0.050	ND	ND
1,1,2,2-Tetrachloroethane	0.10	ND	ND
Tetrachloroethene	0.050	ND	ND
Toluene	0.050	ND	1.1
1,2,3-Trichlorobenzene	0.10	ND	ND
1,2,4-Trichlorobenzene	0.10	ND	ND
1,1,1-Trichloroethane	0.050	ND	ND
1,1,2-Trichloroethane	0.15	ND	ND
Trichloroethene	0.050	ND	ND
1,2,3-Trichloropropane	0.15	ND	ND
Trichlorofluoromethane	0.050	ND	ND
Trichlorotrifluoroethane	0.25	ND	ND
1,2,4-Trimethylbenzene	0.05	ND	2.0
1,3,5-Trimethylbenzene	0.050	ND	0.78
Vinyl chloride	0.10	ND	ND
Xylenes, m-,p-	0.10	ND	2.8
Xylene, o-	0.050	ND	1.3

Surrogates in % Recovery (Acceptance Limits: 70 - 130%)

Sample ID:	Blank	Pauley Sample 1
Dibromofluoromethane	100	103
Toluene-d8	99	103
Bromofluorobenzene	98	107



QC Sample Report - Volatile Organic Compounds by EPA 8260B

Matrix: Water

Batch Number: MS48260W3816

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	Spike Concentration (µg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
1,1-Dichloroethene	50	105	70 - 130	Pass
Benzene	50	107	70 - 130	Pass
Trichloroethene	50	105	70 - 130	Pass
Toluene	50	100	70 - 130	Pass
Chlorobenzene	50	101	70 - 130	Pass

Batch Precision Results

MS/MSD Sample ID: 30166-04

Analytical Notes:

Compound	MS Sample Result (µg/L)	MSD Sample Result (µg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
1,1-Dichloroethene	41.07	51.01	22%	25%	Pass
Benzene	49.26	50.16	2%	25%	Pass
Trichloroethene	50.49	50.31	0%	25%	Pass
Toluene	48.17	49.29	2%	25%	Pass
Chlorobenzene	49.64	49.81	0%	25%	Pass

MS: Matrix Spike

MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate



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Centrum Job # 30143

Page 1 of 1

Project No: S & C		Project Name: PAULLEY TANK FARM	
Project Manager: B. S. M. C.		Phone: 562.989.0544 Fax: 562.982.2114	
Client Name: LOJSEL CORP 2852 GUNNONG AVE SIGNAL HILL CA 90755		Address: LOJSEL B. N. E. L. @ GMAIL.COM	
Sample ID: PAULLEY SAMPLE 1		Date sampled: 9/10/07	
Time sampled: 7 AM		Site location: GUNNONG N. of BARRETT	
Containers: GLASS JAR		Sample matrix: Soil	
Date: 9/10/07		Time: 7:00 AM	
Relinquished by: [Signature]		Relinquished by: [Signature]	
Date: 9/10/07		Time: 7:00 AM	
Received by: [Signature]		Received by: [Signature]	
Date: 9/10/07		Time: 7:00 AM	
Relinquished by: [Signature]		Relinquished by: [Signature]	
Date: 9/10/07		Time: 7:00 AM	

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Laboratory Notes:

1) Relinquished by: (Sampler's signature) Date: 9/10/07 Time: 7:00 AM
 2) Received by: Date: 9/10/07 Time: 7:00 AM
 3) Relinquished by: Date: 9/10/07 Time: 7:00 AM
 4) Received by: Date: 9/10/07 Time: 7:00 AM
 5) Relinquished by: Date: 9/10/07 Time: 7:00 AM
 6) Received by: Date: 9/10/07 Time: 7:00 AM

Please Circle Analyses Requested

Turn-Around Time <small>see note *</small>	418.1 (TRPH), or 413.2, or 1664
<input type="checkbox"/> 24 Hr. RUSH *	PH, TDS, TSS
<input type="checkbox"/> 48 Hr. RUSH *	Metals: TCLP, STLC
<input checked="" type="checkbox"/> Normal TAT	Metals: TUE 22 (CAM), or RCRA, or PP
<input type="checkbox"/> Other	8081A/8082: Pesticides, or PCBs, or Pea/PCB
* Requires PRIOR approval, additional charges apply	SVOCs: 8270C, or 825
Requested due date: _____	VOCs: BTEX/Oxygenates ONLY
Remarks/Special Instructions	VOCs: 8260B, or 824
	8021B: BTEX/MBE ONLY C-6 to C-40
	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)
	LFT Gas, or EPA 8015B GRO
	LFT Diesel, or EPA 8015B DRO

Report Formats: Check all applicable

Paper report PDF report (include email address)
 LARWOCB EDF (include global ID) EDD (GISKEY) EDD (Other) *
* with prior approval only

Sample Disposal: Client will pick up Return to client Lab disposal
 Sample Locator Number: **M**