

Serial No. 605153-07



**Pacific States**  
ENVIRONMENTAL CONTRACTORS, INC.  
California Contractor License #723241-A-HAZ

**RECEIVED**

11:03 am, Oct 15, 2008

Alameda County  
Environmental Health

October 5, 2006

**PSEC Job No. 605153**

DPR  
5834 Hollis Street  
Emeryville, CA 94608

ATTENTION: **Eric Quinn**

SUBJECT: **Import Certification**

Dear Mr. Quinn:

The purpose of this letter is to certify that Curtis & Tompkins lab reports 187445, 187448, and 187648 are representative of the 1,500 CY of import fill. The import fill is to be brought to the DPR jobsite, which is located at 5834 Hollis Street, Emeryville, CA 94608.

Should you have any questions or concerns regarding this matter, please contact me at convenience.

Sincerely,

**Pacific States Environmental Contractors, Inc.**

A handwritten signature in red ink, appearing to read 'A Patel', is written over the printed name.

Ameet Patel  
Project Engineer

c: Pete Buss - PSEC

### Purgeable Organics by GC/MS

Lab #: 187648	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-002	Diln Fac: 0.9434
Lab ID: 187648-001	Batch#: 114719
Matrix: Soil	Sampled: 06/26/06
Units: ug/Kg	Received: 06/26/06
Basis: as received	Analyzed: 06/26/06

Analyte	Result	RL
Vinyl Chloride	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
Toluene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
Ethylbenzene	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
n-Butylbenzene	ND	4.7
Xylene (total)	ND	9.4

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	114	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126

### Purgeable Organics by GC/MS

Lab #: 187648	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-004	Diln Fac: 0.9091
Lab ID: 187648-002	Batch#: 114719
Matrix: Soil	Sampled: 06/26/06
Units: ug/Kg	Received: 06/26/06
Basis: as received	Analyzed: 06/26/06

Analyte	Result	RL
Vinyl Chloride	ND	9.1
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.1
cis-1,2-Dichloroethene	ND	4.5
Chloroform	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.1
Toluene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
Tetrachloroethene	ND	4.5
Dibromochloromethane	ND	4.5
Ethylbenzene	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
n-Butylbenzene	ND	4.5
Xylene (total)	ND	9.1

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	116	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-126

### Purgeable Organics by GC/MS

Lab #: 187648	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-006	Diln Fac: 0.9091
Lab ID: 187648-003	Batch#: 114719
Matrix: Soil	Sampled: 06/26/06
Units: ug/Kg	Received: 06/26/06
Basis: as received	Analyzed: 06/26/06

Analyte	Result	RL
Vinyl Chloride	ND	9.1
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.1
cis-1,2-Dichloroethene	ND	4.5
Chloroform	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.1
Toluene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
Tetrachloroethene	ND	4.5
Dibromochloromethane	ND	4.5
Ethylbenzene	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
n-Butylbenzene	ND	4.5
Xylene (total)	ND	9.1

Surrogate	%REC	Limits
Dibromofluoromethane	115	79-120
1,2-Dichloroethane-d4	117	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected  
 RL= Reporting Limit

### Purgeable Organics by GC/MS

Lab #: 187648	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-010	Diln Fac: 0.9434
Lab ID: 187648-004	Batch#: 114719
Matrix: Soil	Sampled: 06/26/06
Units: ug/Kg	Received: 06/26/06
Basis: as received	Analyzed: 06/26/06

Analyte	Result	RL
Vinyl Chloride	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
Toluene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
Ethylbenzene	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
n-Butylbenzene	ND	4.7
Xylene (total)	ND	9.4

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	115	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-126

ND= Not Detected  
 RL= Reporting Limit

### Purgeable Organics by GC/MS

Lab #: 187648	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-015	Diln Fac: 0.9091
Lab ID: 187648-005	Batch#: 114719
Matrix: Soil	Sampled: 06/26/06
Units: ug/Kg	Received: 06/26/06
Basis: as received	Analyzed: 06/26/06

Analyte	Result	RL
Vinyl Chloride	ND	9.1
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.1
cis-1,2-Dichloroethene	ND	4.5
Chloroform	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.1
Toluene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
Tetrachloroethene	ND	4.5
Dibromochloromethane	ND	4.5
Ethylbenzene	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
n-Butylbenzene	ND	4.5
Xylene (total)	ND	9.1

Surrogate	%REC	Limits
Dibromofluoromethane	112	79-120
1,2-Dichloroethane-d4	114	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187648	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC345208	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114719
Units:	ug/Kg	Analyzed:	06/26/06

Analyte	Spiked	Result	%REC	Limits
Vinyl Chloride	25.00	24.48	98	62-123
Trichlorofluoromethane	25.00	25.68	103	76-136
Acetone	25.00	23.51	94	50-131
1,1-Dichloroethene	25.00	26.00	104	79-132
Methylene Chloride	25.00	22.93	92	72-127
Carbon Disulfide	25.00	21.93	88	65-126
MTBE	25.00	21.38	86	69-120
trans-1,2-Dichloroethene	25.00	23.85	95	79-123
1,1-Dichloroethane	25.00	23.94	96	73-120
2-Butanone	25.00	21.88	88	60-130
cis-1,2-Dichloroethene	25.00	23.78	95	80-121
Chloroform	25.00	24.10	96	75-120
Carbon Tetrachloride	25.00	31.86	127	77-136
1,2-Dichloroethane	25.00	25.98	104	72-120
Benzene	25.00	22.91	92	80-120
Trichloroethene	25.00	25.02	100	80-121
1,2-Dichloropropane	25.00	22.41	90	73-120
Bromodichloromethane	25.00	26.57	106	80-128
4-Methyl-2-Pentanone	25.00	22.37	89	65-130
Toluene	25.00	23.44	94	80-120
1,1,2-Trichloroethane	25.00	24.34	97	80-120
Tetrachloroethene	25.00	27.11	108	80-131
Dibromochloromethane	25.00	27.52	110	80-122
Ethylbenzene	25.00	25.33	101	80-120
Isopropylbenzene	25.00	24.95	100	76-120
1,1,2,2-Tetrachloroethane	25.00	24.06	96	72-120
1,2,3-Trichloropropane	25.00	25.55	102	74-120
Propylbenzene	25.00	27.16	109	80-125
1,3,5-Trimethylbenzene	25.00	26.26	105	80-121
tert-Butylbenzene	25.00	27.92	112	80-124
1,2,4-Trimethylbenzene	25.00	25.96	104	80-120
sec-Butylbenzene	25.00	29.43	118	80-129
para-Isopropyl Toluene	25.00	27.27	109	80-122
n-Butylbenzene	25.00	29.06	116	80-130

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	109	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187648	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC345209	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114719
Units:	ug/Kg	Analyzed:	06/26/06

Analyte	Result	RL
Vinyl Chloride	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
Toluene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
n-Butylbenzene	ND	5.0
Xylene (total)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	106	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-126

ND= Not Detected  
 RL= Reporting Limit



Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187648	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Field ID:	B1-IF-DS-002	Diln Fac:	0.9434
MSS Lab ID:	187648-001	Batch#:	114719
Matrix:	Soil	Sampled:	06/26/06
Units:	ug/Kg	Received:	06/26/06
Basis:	as received	Analyzed:	06/26/06

Type: MS Lab ID: QC345219

Analyte	MSS Result	Spiked	Result	%REC	Limits
Vinyl Chloride	<0.2957	47.17	40.18	85	52-127
Trichlorofluoromethane	<0.2383	47.17	45.02	95	57-140
Acetone	1.553	47.17	35.86	73	32-165
1,1-Dichloroethene	<0.3019	47.17	47.38	100	72-135
Methylene Chloride	<2.367	47.17	39.07	83	31-145
Carbon Disulfide	<0.1760	47.17	39.00	83	54-120
MTBE	<0.1117	47.17	39.23	83	56-120
trans-1,2-Dichloroethene	<0.1885	47.17	42.03	89	68-121
1,1-Dichloroethane	<0.1430	47.17	42.48	90	62-120
2-Butanone	<0.7547	47.17	36.51	77	43-128
cis-1,2-Dichloroethene	<0.09603	47.17	42.52	90	67-120
Chloroform	<0.2038	47.17	42.59	90	64-120
Carbon Tetrachloride	<0.2638	47.17	58.66	124	65-135
1,2-Dichloroethane	<0.1901	47.17	45.82	97	60-120
Benzene	<0.1853	47.17	40.67	86	67-120
Trichloroethene	<0.3028	47.17	44.94	95	65-131
1,2-Dichloropropane	<0.1793	47.17	40.15	85	61-120
Bromodichloromethane	<0.2274	47.17	48.38	103	66-124
4-Methyl-2-Pentanone	<0.09718	47.17	40.31	85	54-124
Toluene	<0.2428	47.17	42.86	91	62-120
1,1,2-Trichloroethane	<0.3125	47.17	43.75	93	60-120
Tetrachloroethene	<0.3874	47.17	48.86	104	57-134
Dibromochloromethane	<0.2015	47.17	49.68	105	59-120
Ethylbenzene	<0.3427	47.17	45.55	97	60-120
Isopropylbenzene	<0.2534	47.17	43.39	92	53-120
1,1,2,2-Tetrachloroethane	<0.3722	47.17	39.52	84	48-120
1,2,3-Trichloropropane	<0.4192	47.17	41.90	89	52-120
Propylbenzene	<0.3273	47.17	46.86	99	53-123
1,3,5-Trimethylbenzene	<0.2142	47.17	45.67	97	53-120
tert-Butylbenzene	<0.2043	47.17	49.32	105	54-126
1,2,4-Trimethylbenzene	<0.2230	47.17	44.90	95	49-120
sec-Butylbenzene	<0.2174	47.17	51.70	110	51-130
para-Isopropyl Toluene	<0.1947	47.17	47.81	101	48-122
n-Butylbenzene	<0.2326	47.17	50.75	108	43-128

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	115	76-130
Toluene-d8	103	80-120
Bromofluorobenzene	98	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187648	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Field ID:	B1-IF-DS-002	Diln Fac:	0.9434
MSS Lab ID:	187648-001	Batch#:	114719
Matrix:	Soil	Sampled:	06/26/06
Units:	ug/Kg	Received:	06/26/06
Basis:	as received	Analyzed:	06/26/06

Type: MSD Lab ID: QC345220

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Vinyl Chloride	47.17	42.27	90	52-127	5	26
Trichlorofluoromethane	47.17	44.81	95	57-140	0	26
Acetone	47.17	39.08	80	32-165	9	35
1,1-Dichloroethene	47.17	50.02	106	72-135	5	22
Methylene Chloride	47.17	40.64	86	31-145	4	30
Carbon Disulfide	47.17	40.47	86	54-120	4	23
MTBE	47.17	41.57	88	56-120	6	23
trans-1,2-Dichloroethene	47.17	43.93	93	68-121	4	21
1,1-Dichloroethane	47.17	43.76	93	62-120	3	21
2-Butanone	47.17	38.83	82	43-128	6	27
cis-1,2-Dichloroethene	47.17	44.06	93	67-120	4	20
Chloroform	47.17	43.65	93	64-120	2	20
Carbon Tetrachloride	47.17	60.16	128	65-135	3	22
1,2-Dichloroethane	47.17	46.97	100	60-120	2	20
Benzene	47.17	42.21	89	67-120	4	20
Trichloroethene	47.17	46.81	99	65-131	4	20
1,2-Dichloropropane	47.17	42.13	89	61-120	5	20
Bromodichloromethane	47.17	49.84	106	66-124	3	20
4-Methyl-2-Pentanone	47.17	43.76	93	54-124	8	25
Toluene	47.17	44.42	94	62-120	4	20
1,1,2-Trichloroethane	47.17	45.27	96	60-120	3	20
Tetrachloroethene	47.17	51.15	108	57-134	5	23
Dibromochloromethane	47.17	52.28	111	59-120	5	21
Ethylbenzene	47.17	46.69	99	60-120	2	21
Isopropylbenzene	47.17	46.36	98	53-120	7	22
1,1,2,2-Tetrachloroethane	47.17	42.94	91	48-120	8	24
1,2,3-Trichloropropane	47.17	44.13	94	52-120	5	23
Propylbenzene	47.17	49.24	104	53-123	5	23
1,3,5-Trimethylbenzene	47.17	47.52	101	53-120	4	23
tert-Butylbenzene	47.17	52.00	110	54-126	5	24
1,2,4-Trimethylbenzene	47.17	46.88	99	49-120	4	25
sec-Butylbenzene	47.17	54.03	115	51-130	4	24
para-Isopropyl Toluene	47.17	49.59	105	48-122	4	25
n-Butylbenzene	47.17	52.36	111	43-128	3	27

Surrogate	%REC	Limits
Dibromofluoromethane	105	79-120
1,2-Dichloroethane-d4	113	76-130
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-126

RPD= Relative Percent Difference

### Total Volatile Hydrocarbons

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8015B
Matrix: Soil	Batch#: 114402
Units: mg/Kg	Sampled: 06/15/06
Basis: as received	Received: 06/15/06
Diln Fac: 1.000	Analyzed: 06/15/06

Field ID: B1-IF-CP-002                      Lab ID: 187448-001  
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	62-137
Bromofluorobenzene (FID)	98	60-148

Field ID: B1-IF-CP-003                      Lab ID: 187448-002  
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-137
Bromofluorobenzene (FID)	95	60-148

Field ID: B1-IF-CP-004                      Lab ID: 187448-003  
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-137
Bromofluorobenzene (FID)	96	60-148

ND= Not Detected  
 RL= Reporting Limit

### Total Volatile Hydrocarbons

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8015B
Matrix: Soil	Batch#: 114402
Units: mg/Kg	Sampled: 06/15/06
Basis: as received	Received: 06/15/06
Diln Fac: 1.000	Analyzed: 06/15/06

Field ID: B1-IF-CP-005                      Lab ID: 187448-004  
 Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	85	62-137
Bromofluorobenzene (FID)	90	60-148

Type: BLANK                                      Lab ID: QC343918

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	80	62-137
Bromofluorobenzene (FID)	84	60-148

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8015B
Type:	LCS	Basis:	as received
Lab ID:	QC343920	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114402
Units:	mg/Kg	Analyzed:	06/14/06

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.086	91	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	62-137
Bromofluorobenzene (FID)	93	60-148

## Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	187437-001	Batch#:	114402
Matrix:	Soil	Sampled:	06/14/06
Units:	mg/Kg	Received:	06/14/06
Basis:	as received	Analyzed:	06/15/06

Type: MS Lab ID: QC344030

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.07849	10.31	4.406	42	38-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	62-137
Bromofluorobenzene (FID)	87	60-148

Type: MSD Lab ID: QC344031

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.31	4.088	39	38-120	7	26

Surrogate	%REC	Limits
Trifluorotoluene (FID)	92	62-137
Bromofluorobenzene (FID)	92	60-148

RPD= Relative Percent Difference

### Total Extractable Hydrocarbons

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: SHAKER TABLE
Project#: 605119	Analysis: EPA 8015B
Matrix: Soil	Sampled: 06/15/06
Units: mg/Kg	Received: 06/15/06
Basis: as received	Prepared: 06/16/06
Diln Fac: 1.000	Analyzed: 06/19/06
Batch#: 114509	

Field ID: B1-IF-CP-002                      Lab ID: 187448-001  
 Type: SAMPLE                                  Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	5.3 L Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	89	48-130

Field ID: B1-IF-CP-003                      Lab ID: 187448-002  
 Type: SAMPLE                                  Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	93	48-130

Field ID: B1-IF-CP-004                      Lab ID: 187448-003  
 Type: SAMPLE                                  Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	85	48-130

L= Lighter hydrocarbons contributed to the quantitation

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

### Total Extractable Hydrocarbons

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: SHAKER TABLE
Project#: 605119	Analysis: EPA 8015B
Matrix: Soil	Sampled: 06/15/06
Units: mg/Kg	Received: 06/15/06
Basis: as received	Prepared: 06/16/06
Diln Fac: 1.000	Analyzed: 06/19/06
Batch#: 114509	

Field ID: B1-IF-CP-005                      Lab ID: 187448-004  
 Type: SAMPLE                                  Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	89	48-130

Type: BLANK                                      Cleanup Method: EPA 3630C  
 Lab ID: QC344352

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	89	48-130

L= Lighter hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 ND= Not Detected  
 RL= Reporting Limit



## Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	SHAKER TABLE
Project#:	605119	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344353	Batch#:	114509
Matrix:	Soil	Prepared:	06/16/06
Units:	mg/Kg	Analyzed:	06/19/06
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.70	50.10	101	59-133

Surrogate	%REC	Limits
Hexacosane	98	48-130

## Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	SHAKER TABLE
Project#:	605119	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	114509
MSS Lab ID:	187351-044	Sampled:	06/09/06
Matrix:	Soil	Received:	06/09/06
Units:	mg/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/19/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C  
 Lab ID: QC344354

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	12.13	50.25	66.96	109	37-153

Surrogate	%REC	Limits
Hexacosane	107	48-130

Type: MSD Cleanup Method: EPA 3630C  
 Lab ID: QC344355

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.68	71.23	119	37-153	7	43

Surrogate	%REC	Limits
Hexacosane	115	48-130

RPD= Relative Percent Difference

### Semivolatile Organics by GC/MS

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 3550B
Project#: 605119	Analysis: EPA 8270C
Field ID: B1-IF-CP-002	Batch#: 114526
Lab ID: 187448-001	Sampled: 06/15/06
Matrix: Soil	Received: 06/15/06
Units: ug/Kg	Prepared: 06/19/06
Basis: as received	Analyzed: 06/19/06
Diln Fac: 1.000	

Analyte	Result	RL
Naphthalene	ND	66
Hexachlorobutadiene	ND	330
Acenaphthylene	ND	66
Acenaphthene	ND	66
Fluorene	ND	66
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Fluoranthene	ND	66
Pyrene	ND	66
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	65	38-120
Phenol-d5	60	36-120
2,4,6-Tribromophenol	60	30-120
Nitrobenzene-d5	75	46-120
2-Fluorobiphenyl	88	49-120
Terphenyl-d14	81	36-120

ND= Not Detected  
 RL= Reporting Limit

### Semivolatile Organics by GC/MS

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 3550B
Project#: 605119	Analysis: EPA 8270C
Field ID: B1-IF-CP-003	Batch#: 114526
Lab ID: 187448-002	Sampled: 06/15/06
Matrix: Soil	Received: 06/15/06
Units: ug/Kg	Prepared: 06/19/06
Basis: as received	Analyzed: 06/19/06
Diln Fac: 1.000	

Analyte	Result	RL
Naphthalene	ND	66
Hexachlorobutadiene	ND	330
Acenaphthylene	ND	66
Acenaphthene	ND	66
Fluorene	ND	66
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Fluoranthene	ND	66
Pyrene	ND	66
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	59	38-120
Phenol-d5	54	36-120
2,4,6-Tribromophenol	64	30-120
Nitrobenzene-d5	67	46-120
2-Fluorobiphenyl	77	49-120
Terphenyl-d14	73	36-120

ND= Not Detected

RL= Reporting Limit

### Semivolatile Organics by GC/MS

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 3550B
Project#: 605119	Analysis: EPA 8270C
Field ID: B1-IF-CP-004	Batch#: 114526
Lab ID: 187448-003	Sampled: 06/15/06
Matrix: Soil	Received: 06/15/06
Units: ug/Kg	Prepared: 06/19/06
Basis: as received	Analyzed: 06/19/06
Diln Fac: 1.000	

Analyte	Result	RL
Naphthalene	ND	67
Hexachlorobutadiene	ND	330
Acenaphthylene	ND	67
Acenaphthene	ND	67
Fluorene	ND	67
Pentachlorophenol	ND	670
Phenanthrene	ND	67
Anthracene	ND	67
Fluoranthene	ND	67
Pyrene	ND	67
Benzo(a)anthracene	ND	67
Chrysene	ND	67
bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	67
Benzo(k)fluoranthene	ND	67
Benzo(a)pyrene	ND	67
Indeno(1,2,3-cd)pyrene	ND	67
Dibenz(a,h)anthracene	ND	67
Benzo(g,h,i)perylene	ND	67

Surrogate	%REC	Limits
2-Fluorophenol	57	38-120
Phenol-d5	52	36-120
2,4,6-Tribromophenol	54	30-120
Nitrobenzene-d5	66	46-120
2-Fluorobiphenyl	78	49-120
Terphenyl-d14	71	36-120

ND= Not Detected  
 RL= Reporting Limit

### Semivolatile Organics by GC/MS

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 3550B
Project#: 605119	Analysis: EPA 8270C
Field ID: B1-IF-CP-005	Batch#: 114526
Lab ID: 187448-004	Sampled: 06/15/06
Matrix: Soil	Received: 06/15/06
Units: ug/Kg	Prepared: 06/19/06
Basis: as received	Analyzed: 06/19/06
Diln Fac: 1.000	

Analyte	Result	RL
Naphthalene	ND	66
Hexachlorobutadiene	ND	330
Acenaphthylene	ND	66
Acenaphthene	ND	66
Fluorene	ND	66
Pentachlorophenol	ND	660
Phenanthrene	ND	66
Anthracene	ND	66
Fluoranthene	ND	66
Pyrene	ND	66
Benzo(a)anthracene	ND	66
Chrysene	ND	66
bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	66
Benzo(k)fluoranthene	ND	66
Benzo(a)pyrene	ND	66
Indeno(1,2,3-cd)pyrene	ND	66
Dibenz(a,h)anthracene	ND	66
Benzo(g,h,i)perylene	ND	66

Surrogate	%REC	Limits
2-Fluorophenol	66	38-120
Phenol-d5	60	36-120
2,4,6-Tribromophenol	71	30-120
Nitrobenzene-d5	73	46-120
2-Fluorobiphenyl	88	49-120
Terphenyl-d14	82	36-120

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3550B
Project#:	605119	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC344430	Batch#:	114526
Matrix:	Soil	Prepared:	06/19/06
Units:	ug/Kg	Analyzed:	06/19/06
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	68
Hexachlorobutadiene	ND	340
Acenaphthylene	ND	68
Acenaphthene	ND	68
Fluorene	ND	68
Pentachlorophenol	ND	680
Phenanthrene	ND	68
Anthracene	ND	68
Fluoranthene	ND	68
Pyrene	ND	68
Benzo(a)anthracene	ND	68
Chrysene	ND	68
bis(2-Ethylhexyl)phthalate	ND	340
Benzo(b)fluoranthene	ND	68
Benzo(k)fluoranthene	ND	68
Benzo(a)pyrene	ND	68
Indeno(1,2,3-cd)pyrene	ND	68
Dibenz(a,h)anthracene	ND	68
Benzo(g,h,i)perylene	ND	68

Surrogate	%REC	Limits
2-Fluorophenol	69	38-120
Phenol-d5	63	36-120
2,4,6-Tribromophenol	69	30-120
Nitrobenzene-d5	78	46-120
2-Fluorobiphenyl	93	49-120
Terphenyl-d14	89	36-120

ND= Not Detected

RL= Reporting Limit

## Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3550B
Project#:	605119	Analysis:	EPA 8270C
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344431	Batch#:	114526
Matrix:	Soil	Prepared:	06/19/06
Units:	ug/Kg	Analyzed:	06/19/06
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Naphthalene	1,652	1,399	85	49-120
Hexachlorobutadiene	1,652	1,574	95	48-120
Acenaphthylene	1,652	1,286	78	47-120
Acenaphthene	1,652	1,356	82	50-120
Fluorene	1,652	1,373	83	49-120
Pentachlorophenol	3,305	2,534	77	23-120
Phenanthrene	1,652	1,385	84	52-120
Anthracene	1,652	1,390	84	51-120
Fluoranthene	1,652	1,491	90	52-120
Pyrene	1,652	1,321	80	48-120
Benzo(a)anthracene	1,652	1,195	72	47-120
Chrysene	1,652	1,437	87	50-120
bis(2-Ethylhexyl)phthalate	1,652	1,363	82	45-120
Benzo(b)fluoranthene	1,652	1,183	72	39-120
Benzo(k)fluoranthene	1,652	1,435	87	43-120
Benzo(a)pyrene	1,652	1,289	78	47-120
Indeno(1,2,3-cd)pyrene	1,652	1,503	91	39-122
Dibenz(a,h)anthracene	1,652	1,493	90	40-120
Benzo(g,h,i)perylene	1,652	1,525	92	35-124

Surrogate	%REC	Limits
2-Fluorophenol	67	38-120
Phenol-d5	63	36-120
2,4,6-Tribromophenol	89	30-120
Nitrobenzene-d5	74	46-120
2-Fluorobiphenyl	79	49-120
Terphenyl-d14	77	36-120



## Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3550B
Project#:	605119	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Batch#:	114526
MSS Lab ID:	187455-004	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	ug/Kg	Prepared:	06/19/06
Basis:	as received	Analyzed:	06/20/06
Diln Fac:	3.000		

Type: MS Lab ID: QC344432

Analyte	MSS Result	Spiked	Result	%REC	Limits
Naphthalene	<55.10	1,687	1,584	94	44-120
Hexachlorobutadiene	<70.71	1,687	1,629	97	47-120
Acenaphthylene	<68.26	1,687	1,472	87	46-120
Acenaphthene	<48.69	1,687	1,515	90	47-120
Fluorene	<50.55	1,687	1,568	93	46-120
Pentachlorophenol	<140.3	3,375	868.2	26	22-120
Phenanthrene	<49.51	1,687	1,582	94	48-120
Anthracene	<49.39	1,687	1,634	97	47-120
Fluoranthene	<43.84	1,687	1,579	94	40-120
Pyrene	<37.69	1,687	1,521	90	41-126
Benzo(a)anthracene	<45.53	1,687	1,360	81	39-120
Chrysene	<51.25	1,687	1,615	96	42-120
bis(2-Ethylhexyl)phthalate	<31.52	1,687	1,570	93	43-126
Benzo(b)fluoranthene	<33.94	1,687	1,396	83	35-120
Benzo(k)fluoranthene	<51.69	1,687	1,747	104	37-120
Benzo(a)pyrene	<37.32	1,687	1,438	85	43-120
Indeno(1,2,3-cd)pyrene	<39.86	1,687	1,144	68	26-120
Dibenz(a,h)anthracene	<41.55	1,687	1,192	71	32-120
Benzo(g,h,i)perylene	<40.39	1,687	1,064	63	22-120

Surrogate	%REC	Limits
2-Fluorophenol	76	38-120
Phenol-d5	75	36-120
2,4,6-Tribromophenol	80	30-120
Nitrobenzene-d5	82	46-120
2-Fluorobiphenyl	91	49-120
Terphenyl-d14	88	36-120

RPD= Relative Percent Difference

## Batch QC Report

Semivolatile Organics by GC/MS			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3550B
Project#:	605119	Analysis:	EPA 8270C
Field ID:	ZZZZZZZZZZ	Batch#:	114526
MSS Lab ID:	187455-004	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	ug/Kg	Prepared:	06/19/06
Basis:	as received	Analyzed:	06/20/06
Diln Fac:	3.000		

Type: MSD Lab ID: QC344433

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Naphthalene	1,655	1,511	91	44-120	3	24
Hexachlorobutadiene	1,655	1,607	97	47-120	1	24
Acenaphthylene	1,655	1,415	86	46-120	2	23
Acenaphthene	1,655	1,454	88	47-120	2	26
Fluorene	1,655	1,527	92	46-120	1	26
Pentachlorophenol	3,309	1,144	35	22-120	29	44
Phenanthrene	1,655	1,525	92	48-120	2	26
Anthracene	1,655	1,559	94	47-120	3	25
Fluoranthene	1,655	1,553	94	40-120	0	30
Pyrene	1,655	1,503	91	41-126	1	33
Benzo(a)anthracene	1,655	1,302	79	39-120	2	29
Chrysene	1,655	1,568	95	42-120	1	30
bis(2-Ethylhexyl)phthalate	1,655	1,516	92	43-126	2	28
Benzo(b)fluoranthene	1,655	1,365	83	35-120	0	32
Benzo(k)fluoranthene	1,655	1,761	106	37-120	3	31
Benzo(a)pyrene	1,655	1,383	84	43-120	2	27
Indeno(1,2,3-cd)pyrene	1,655	1,063	64	26-120	5	34
Dibenz(a,h)anthracene	1,655	1,110	67	32-120	5	29
Benzo(g,h,i)perylene	1,655	979.1	59	22-120	6	36

Surrogate	%REC	Limits
2-Fluorophenol	73	38-120
Phenol-d5	72	36-120
2,4,6-Tribromophenol	83	30-120
Nitrobenzene-d5	81	46-120
2-Fluorobiphenyl	90	49-120
Terphenyl-d14	87	36-120

RPD= Relative Percent Difference

### Organochlorine Pesticides

Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8081A
Field ID:	B1-IF-CP-002	Batch#:	114501
Lab ID:	187448-001	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	ug/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/19/06
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
gamma-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin ketone	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Toxaphene	ND	61

Surrogate	%REC	Limits
TCMX	45	41-123
Decachlorobiphenyl	85	45-140

ND= Not Detected

RL= Reporting Limit

### Organochlorine Pesticides

Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8081A
Field ID:	B1-IF-CP-003	Batch#:	114501
Lab ID:	187448-002	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	ug/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/19/06
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
gamma-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin ketone	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Toxaphene	ND	59

Surrogate	%REC	Limits
TCMX	48	41-123
Decachlorobiphenyl	93	45-140

ND= Not Detected

RL= Reporting Limit

### Organochlorine Pesticides

Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8081A
Field ID:	B1-IF-CP-004	Batch#:	114501
Lab ID:	187448-003	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	ug/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/19/06
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
gamma-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin ketone	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	47	41-123
Decachlorobiphenyl	90	45-140

ND= Not Detected

RL= Reporting Limit

### Organochlorine Pesticides

Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8081A
Field ID:	B1-IF-CP-005	Batch#:	114501
Lab ID:	187448-004	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	ug/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/19/06
Diln Fac:	1.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
gamma-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin ketone	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Toxaphene	ND	61

Surrogate	%REC	Limits
TCMX	81	41-123
Decachlorobiphenyl	93	45-140

ND= Not Detected

RL= Reporting Limit

## Batch QC Report

Organochlorine Pesticides			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC344326	Batch#:	114501
Matrix:	Soil	Prepared:	06/16/06
Units:	ug/Kg	Analyzed:	06/19/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	1.7
gamma-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin ketone	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	89	41-123
Decachlorobiphenyl	88	45-140

ND= Not Detected

RL= Reporting Limit

## Batch QC Report

Organochlorine Pesticides			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344330	Batch#:	114501
Matrix:	Soil	Prepared:	06/16/06
Units:	ug/Kg	Analyzed:	06/19/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
alpha-BHC	13.33	5.882	44	41-124
gamma-BHC	13.33	6.334	48	42-124
Heptachlor	13.33	7.092	53	43-129
Aldrin	13.33	6.946	52	46-122
Heptachlor epoxide	13.33	6.801	51	48-126
Endosulfan I	13.33	6.799	51	47-125
Dieldrin	26.67	16.77	63	49-130
4,4'-DDE	26.67	17.26	65	51-130
Endrin	26.67	15.66	59	48-132
Endosulfan sulfate	26.67	16.88	63	22-130
4,4'-DDD	26.67	19.88	75	49-136
Endrin ketone	26.67	19.15	72	28-136
Endrin aldehyde	26.67	12.64	47	4-120
4,4'-DDT	26.67	18.24	68	45-142
gamma-Chlordane	13.33	7.827	59	50-126
alpha-Chlordane	13.33	8.124	61	49-123

Surrogate	%REC	Limits
TCMX	43	41-123
Decachlorobiphenyl	78	45-140



### Polychlorinated Biphenyls (PCBs)

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 3545
Project#: 605119	Analysis: EPA 8082
Matrix: Soil	Batch#: 114501
Units: ug/Kg	Sampled: 06/15/06
Basis: as received	Received: 06/15/06
Diln Fac: 1.000	Prepared: 06/16/06

Field ID: B1-IF-CP-002  
 Type: SAMPLE  
 Lab ID: 187448-001

Analyzed: 06/20/06  
 Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1248	ND	9.7
Aroclor-1260	ND	9.7

Surrogate	%REC	Limits
TCMX	116	61-140
Decachlorobiphenyl	118	50-155

Field ID: B1-IF-CP-003  
 Type: SAMPLE  
 Lab ID: 187448-002

Analyzed: 06/20/06  
 Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1248	ND	9.5
Aroclor-1260	ND	9.5

Surrogate	%REC	Limits
TCMX	125	61-140
Decachlorobiphenyl	132	50-155

Field ID: B1-IF-CP-004  
 Type: SAMPLE  
 Lab ID: 187448-003

Analyzed: 06/20/06  
 Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1248	ND	9.6
Aroclor-1260	ND	9.6

Surrogate	%REC	Limits
TCMX	126	61-140
Decachlorobiphenyl	134	50-155

Field ID: B1-IF-CP-005  
 Type: SAMPLE  
 Lab ID: 187448-004

Analyzed: 06/20/06  
 Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1248	ND	9.7
Aroclor-1260	ND	9.7

Surrogate	%REC	Limits
TCMX	105	61-140
Decachlorobiphenyl	113	50-155

ND= Not Detected  
 RL= Reporting Limit

**Polychlorinated Biphenyls (PCBs)**

Lab #: 187448	Location: OBRA
Client: Pacific States Env. Contractors	Prep: EPA 3545
Project#: 605119	Analysis: EPA 8082
Matrix: Soil	Batch#: 114501
Units: ug/Kg	Sampled: 06/15/06
Basis: as received	Received: 06/15/06
Diln Fac: 1.000	Prepared: 06/16/06

Type: BLANK Analyzed: 06/19/06  
 Lab ID: QC344326 Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1248	ND	9.6
Aroclor-1260	ND	9.6

Surrogate	%REC	Limits
TCMX	120	61-140
Decachlorobiphenyl	126	50-155

## Batch QC Report

Polychlorinated Biphenyls (PCBs)			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8082
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344327	Batch#:	114501
Matrix:	Soil	Prepared:	06/16/06
Units:	ug/Kg	Analyzed:	06/19/06
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1016	166.7	161.2	97	68-146
Aroclor-1260	166.7	179.0	107	70-152

Surrogate	%REC	Limits
TCMX	108	61-140
Decachlorobiphenyl	113	50-155

## Batch QC Report

Polychlorinated Biphenyls (PCBs)			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3545
Project#:	605119	Analysis:	EPA 8082
Field ID:	ZZZZZZZZZZ	Batch#:	114501
MSS Lab ID:	187418-030	Sampled:	06/13/06
Matrix:	Soil	Received:	06/13/06
Units:	ug/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/20/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3665A  
 Lab ID: QC344328

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1016	<4.471	166.2	164.7	99	56-159
Aroclor-1260	<3.976	166.2	160.9	97	46-173

Surrogate	%REC	Limits
TCMX	107	61-140
Decachlorobiphenyl	101	50-155

Type: MSD Cleanup Method: EPA 3665A  
 Lab ID: QC344329

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1016	167.7	158.1	94	56-159	5	31
Aroclor-1260	167.7	154.2	92	46-173	5	38

Surrogate	%REC	Limits
TCMX	102	61-140
Decachlorobiphenyl	97	50-155

RPD= Relative Percent Difference

### California Title 26 Metals

Lab #: 187448	Project#: 605119	605119
Client: Pacific States Env. Contractors	Location: OBRA	
Field ID: B1-IF-CP-002	Basis: as received	
Lab ID: 187448-001	Sampled: 06/15/06	
Matrix: Soil	Received: 06/15/06	
Units: mg/Kg		

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.37	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Arsenic	2.6	0.11	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Barium	87	0.56	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Beryllium	0.29	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cadmium	0.13	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Chromium	44	1.1	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cobalt	6.7	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Copper	11	0.11	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Lead	15	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Mercury	0.030	0.020	1.000		114489	06/16/06	06/16/06	METHOD	EPA 7471A
Molybdenum	0.18	0.11	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Nickel	39	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Selenium	ND	0.11	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Silver	ND	0.056	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Thallium	ND	0.11	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Vanadium	30	0.11	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Zinc	27	0.22	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020

ND= Not Detected  
 RL= Reporting Limit

### California Title 26 Metals

Lab #: 187448	Project#: 605119	605119
Client: Pacific States Env. Contractors	Location: OBRA	
Field ID: B1-IF-CP-003	Basis: as received	
Lab ID: 187448-002	Sampled: 06/15/06	
Matrix: Soil	Received: 06/15/06	
Units: mg/Kg		

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.23	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Arsenic	2.8	0.10	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Barium	85	0.51	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Beryllium	0.31	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cadmium	0.14	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Chromium	47	1.0	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cobalt	7.3	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Copper	11	0.10	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Lead	6.0	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Mercury	0.031	0.020	1.000		114489	06/16/06	06/16/06	METHOD	EPA 7471A
Molybdenum	0.16	0.10	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Nickel	40	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Selenium	ND	0.10	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Silver	ND	0.051	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Thallium	ND	0.10	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Vanadium	32	0.10	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Zinc	27	0.20	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020

ND= Not Detected  
 RL= Reporting Limit

### California Title 26 Metals

Lab #: 187448	Project#: 605119	605119
Client: Pacific States Env. Contractors	Location: OBRA	
Field ID: B1-IF-CP-004	Basis: as received	
Lab ID: 187448-003	Sampled: 06/15/06	
Matrix: Soil	Received: 06/15/06	
Units: mg/Kg		

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.20	0.050	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Arsenic	2.7	0.097	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Barium	86	0.48	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Beryllium	0.29	0.050	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cadmium	0.14	0.050	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Chromium	47	0.97	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cobalt	7.4	0.050	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Copper	11	0.097	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Lead	11	0.050	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Mercury	0.055	0.020	1.000		114489	06/16/06	06/16/06	METHOD	EPA 7471A
Molybdenum	0.20	0.097	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Nickel	43	0.48	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Selenium	ND	0.19	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Silver	ND	0.050	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Thallium	ND	0.097	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Vanadium	33	0.097	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Zinc	26	0.20	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020

ND= Not Detected  
 RL= Reporting Limit

### California Title 26 Metals

Lab #: 187448	Project#: 605119	605119
Client: Pacific States Env. Contractors	Location: OBRA	
Field ID: B1-IF-CP-005	Basis: as received	
Lab ID: 187448-004	Sampled: 06/15/06	
Matrix: Soil	Received: 06/15/06	
Units: mg/Kg		

Analyte	Result	RL	Diln	Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	0.14	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Arsenic	2.7	0.13	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Barium	90	0.66	50.00		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Beryllium	0.32	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cadmium	0.14	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Chromium	51	0.13	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Cobalt	7.5	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Copper	12	0.13	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Lead	7.0	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Mercury	0.032	0.020	1.000		114489	06/16/06	06/16/06	METHOD	EPA 7471A
Molybdenum	ND	0.13	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Nickel	46	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Selenium	ND	0.27	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Silver	ND	0.066	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Thallium	ND	0.13	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Vanadium	34	0.13	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020
Zinc	29	0.26	5.000		114540	06/20/06	06/20/06	EPA 3050B	EPA 6020

ND= Not Detected  
 RL= Reporting Limit



## Batch QC Report

California Title 26 Metals			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	METHOD
Project#:	605119	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC344273	Batch#:	114489
Matrix:	Soil	Prepared:	06/16/06
Units:	mg/Kg	Analyzed:	06/16/06

Result	RL
ND	0.020

ND= Not Detected

RL= Reporting Limit

## Batch QC Report

California Title 26 Metals			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	METHOD
Project#:	605119	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114489
Units:	mg/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/16/06

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC344274	0.5000	0.5020	100	80-120		
BSD	QC344275	0.5000	0.4960	99	80-120	1	20

RPD= Relative Percent Difference

## Batch QC Report

California Title 26 Metals			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	METHOD
Project#:	605119	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114489
MSS Lab ID:	187455-004	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	mg/Kg	Prepared:	06/16/06
Basis:	as received	Analyzed:	06/16/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC344276	0.03571	0.5000	0.5610	105	54-154		
MSD	QC344277		0.5000	0.5530	103	54-154	1	28

RPD= Relative Percent Difference

## Batch QC Report

California Title 26 Metals			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3050B
Project#:	605119	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	5.000
Lab ID:	QC344492	Batch#:	114540
Matrix:	Soil	Prepared:	06/20/06
Units:	mg/Kg	Analyzed:	06/20/06
Basis:	as received		

Analyte	Result	RL
Antimony	ND	0.063
Arsenic	ND	0.13
Barium	ND	0.063
Beryllium	ND	0.063
Cadmium	ND	0.063
Chromium	0.14	0.13
Cobalt	ND	0.063
Copper	ND	0.13
Lead	ND	0.063
Molybdenum	ND	0.13
Nickel	ND	0.063
Selenium	ND	0.13
Silver	ND	0.063
Thallium	ND	0.13
Vanadium	ND	0.13
Zinc	ND	0.24

ND= Not Detected

RL= Reporting Limit

## Batch QC Report

California Title 26 Metals			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3050B
Project#:	605119	Analysis:	EPA 6020
Matrix:	Soil	Batch#:	114540
Units:	mg/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/20/06
Diln Fac:	5.000		

Type: BS Lab ID: QC344493

Analyte	Spiked	Result	%REC	Limits
Antimony	25.00	24.92	100	80-120
Arsenic	25.00	27.08	108	80-120
Barium	25.00	25.71	103	80-120
Beryllium	25.00	26.99	108	80-120
Cadmium	25.00	27.72	111	80-120
Chromium	25.00	28.31	113	80-120
Cobalt	25.00	26.80	107	80-120
Copper	25.00	26.91	108	80-120
Lead	25.00	27.67	111	80-120
Molybdenum	25.00	26.88	108	80-120
Nickel	25.00	26.89	108	80-120
Selenium	25.00	26.84	107	80-120
Silver	25.00	27.99	112	71-132
Thallium	25.00	25.94	104	80-120
Vanadium	25.00	28.20	113	80-120
Zinc	25.00	25.88	104	80-120

Type: BSD Lab ID: QC344494

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	25.00	24.70	99	80-120	1	20
Arsenic	25.00	25.89	104	80-120	4	20
Barium	25.00	24.85	99	80-120	3	20
Beryllium	25.00	25.76	103	80-120	5	20
Cadmium	25.00	26.64	107	80-120	4	20
Chromium	25.00	26.23	105	80-120	8	20
Cobalt	25.00	26.02	104	80-120	3	20
Copper	25.00	25.83	103	80-120	4	20
Lead	25.00	26.14	105	80-120	6	20
Molybdenum	25.00	25.92	104	80-120	4	20
Nickel	25.00	25.78	103	80-120	4	20
Selenium	25.00	26.12	104	80-120	3	20
Silver	25.00	25.90	104	71-132	8	20
Thallium	25.00	24.69	99	80-120	5	20
Vanadium	25.00	26.75	107	80-120	5	20
Zinc	25.00	24.53	98	80-120	5	20

RPD= Relative Percent Difference

## Batch QC Report

California Title 26 Metals			
Lab #:	187448	Location:	OBRA
Client:	Pacific States Env. Contractors	Prep:	EPA 3050B
Project#:	605119	Analysis:	EPA 6020
Field ID:	B1-IF-CP-002	Batch#:	114540
MSS Lab ID:	187448-001	Sampled:	06/15/06
Matrix:	Soil	Received:	06/15/06
Units:	mg/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/20/06

Type: MS Lab ID: QC344495

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln	Fac
Antimony	0.3684	21.19	8.682	39	12-120	5.000	
Arsenic	2.563	21.19	22.58	95	58-124	5.000	
Barium	87.07	21.19	113.6	125 NM	25-160	50.00	
Beryllium	0.2878	21.19	21.02	98	69-120	5.000	
Cadmium	0.1254	21.19	22.01	103	72-120	5.000	
Chromium	43.60	21.19	70.76	128	39-147	50.00	
Cobalt	6.712	21.19	27.47	98	56-133	5.000	
Copper	10.97	21.19	30.93	94	39-143	5.000	
Lead	15.48	21.19	48.86	158 *	30-136	50.00	
Molybdenum	0.1780	21.19	20.89	98	63-120	5.000	
Nickel	38.50	21.19	66.06	130	42-144	50.00	
Selenium	0.03700	21.19	19.69	93	62-120	5.000	
Silver	<0.02714	21.19	20.52	97	71-120	5.000	
Thallium	0.09126	21.19	20.92	98	51-124	5.000	
Vanadium	30.41	21.19	53.18	107	32-149	50.00	
Zinc	27.44	21.19	54.45	127	1-169	50.00	

Type: MSD Lab ID: QC344496

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac
Antimony	22.12	8.810	38	12-120	3	21	5.000	
Arsenic	22.12	23.48	95	58-124	0	20	5.000	
Barium	22.12	109.3	100	25-160	5	23	50.00	
Beryllium	22.12	21.40	95	69-120	2	20	5.000	
Cadmium	22.12	22.86	103	72-120	1	20	5.000	
Chromium	22.12	82.43	176 *	39-147	14	22	50.00	
Cobalt	22.12	28.19	97	56-133	1	20	5.000	
Copper	22.12	31.69	94	39-143	0	25	5.000	
Lead	22.12	32.20	76	30-136	44 *	33	50.00	
Molybdenum	22.12	21.60	97	63-120	1	24	5.000	
Nickel	22.12	65.49	122	42-144	2	24	50.00	
Selenium	22.12	19.86	90	62-120	3	20	5.000	
Silver	22.12	21.45	97	71-120	0	20	5.000	
Thallium	22.12	21.26	96	51-124	3	20	5.000	
Vanadium	22.12	58.67	128	32-149	8	25	50.00	
Zinc	22.12	52.83	115	1-169	5	40	50.00	

\*= Value outside of QC limits; see narrative

NM= Not Meaningful: Sample concentration &gt; 4X spike concentration

RPD= Relative Percent Difference

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-003	Diln Fac: 0.9434
Lab ID: 187445-002	Batch#: 114438
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
Toluene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
Ethylbenzene	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
n-Butylbenzene	ND	4.7
Xylene (total)	ND	9.4

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	109	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	108	80-126

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-005	Diln Fac: 0.9259
Lab ID: 187445-004	Batch#: 114438
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.3
Trichlorofluoromethane	ND	4.6
Acetone	ND	19
1,1-Dichloroethene	ND	4.6
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.6
MTBE	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
1,1-Dichloroethane	ND	4.6
2-Butanone	ND	9.3
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
Carbon Tetrachloride	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Trichloroethene	ND	4.6
1,2-Dichloropropane	ND	4.6
Bromodichloromethane	ND	4.6
4-Methyl-2-Pentanone	ND	9.3
Toluene	ND	4.6
1,1,2-Trichloroethane	ND	4.6
Tetrachloroethene	ND	4.6
Dibromochloromethane	ND	4.6
Ethylbenzene	ND	4.6
Isopropylbenzene	ND	4.6
1,1,2,2-Tetrachloroethane	ND	4.6
1,2,3-Trichloropropane	ND	4.6
Propylbenzene	ND	4.6
1,3,5-Trimethylbenzene	ND	4.6
tert-Butylbenzene	ND	4.6
1,2,4-Trimethylbenzene	ND	4.6
sec-Butylbenzene	ND	4.6
para-Isopropyl Toluene	ND	4.6
n-Butylbenzene	ND	4.6
Xylene (total)	ND	9.3

Surrogate	%REC	Limits
Dibromofluoromethane	100	79-120
1,2-Dichloroethane-d4	108	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-126



### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-007	Diln Fac: 0.9615
Lab ID: 187445-006	Batch#: 114438
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
Toluene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
Ethylbenzene	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
n-Butylbenzene	ND	4.8
Xylene (total)	ND	9.6

Surrogate	%REC	Limits
Dibromofluoromethane	104	79-120
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	108	80-126

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-008	Diln Fac: 0.9615
Lab ID: 187445-007	Batch#: 114438
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
Toluene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
Ethylbenzene	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
n-Butylbenzene	ND	4.8
Xylene (total)	ND	9.6

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-126

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-009	Diln Fac: 0.9615
Lab ID: 187445-008	Batch#: 114438
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
Toluene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
Ethylbenzene	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
n-Butylbenzene	ND	4.8
Xylene (total)	ND	9.6

Surrogate	%REC	Limits
Dibromofluoromethane	105	79-120
1,2-Dichloroethane-d4	112	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-126

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-011	Diln Fac: 1.000
Lab ID: 187445-010	Batch#: 114443
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
Toluene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
n-Butylbenzene	ND	5.0
Xylene (total)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	122	76-130
Toluene-d8	108	80-120
Bromofluorobenzene	103	80-126

ND= Not Detected  
 RL= Reporting Limit

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-012	Diln Fac: 1.000
Lab ID: 187445-011	Batch#: 114443
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
Toluene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
n-Butylbenzene	ND	5.0
Xylene (total)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	105	79-120
1,2-Dichloroethane-d4	119	76-130
Toluene-d8	108	80-120
Bromofluorobenzene	110	80-126

ND= Not Detected  
 RL= Reporting Limit

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-013	Diln Fac: 0.9615
Lab ID: 187445-012	Batch#: 114443
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
Toluene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
Ethylbenzene	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
n-Butylbenzene	ND	4.8
Xylene (total)	ND	9.6

Surrogate	%REC	Limits
Dibromofluoromethane	106	79-120
1,2-Dichloroethane-d4	118	76-130
Toluene-d8	109	80-120
Bromofluorobenzene	105	80-126

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-014	Diln Fac: 0.9259
Lab ID: 187445-013	Batch#: 114443
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.3
Trichlorofluoromethane	ND	4.6
Acetone	ND	19
1,1-Dichloroethene	ND	4.6
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.6
MTBE	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
1,1-Dichloroethane	ND	4.6
2-Butanone	ND	9.3
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
Carbon Tetrachloride	ND	4.6
1,2-Dichloroethane	ND	4.6
Benzene	ND	4.6
Trichloroethene	ND	4.6
1,2-Dichloropropane	ND	4.6
Bromodichloromethane	ND	4.6
4-Methyl-2-Pentanone	ND	9.3
Toluene	ND	4.6
1,1,2-Trichloroethane	ND	4.6
Tetrachloroethene	ND	4.6
Dibromochloromethane	ND	4.6
Ethylbenzene	ND	4.6
Isopropylbenzene	ND	4.6
1,1,2,2-Tetrachloroethane	ND	4.6
1,2,3-Trichloropropane	ND	4.6
Propylbenzene	ND	4.6
1,3,5-Trimethylbenzene	ND	4.6
tert-Butylbenzene	ND	4.6
1,2,4-Trimethylbenzene	ND	4.6
sec-Butylbenzene	ND	4.6
para-Isopropyl Toluene	ND	4.6
n-Butylbenzene	ND	4.6
Xylene (total)	ND	9.3

Surrogate	%REC	Limits
Dibromofluoromethane	107	79-120
1,2-Dichloroethane-d4	129	76-130
Toluene-d8	113	80-120
Bromofluorobenzene	107	80-126

### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-016	Diln Fac: 0.9615
Lab ID: 187445-015	Batch#: 114443
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	9.6
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
Toluene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
Ethylbenzene	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
n-Butylbenzene	ND	4.8
Xylene (total)	ND	9.6

Surrogate	%REC	Limits
Dibromofluoromethane	109	79-120
1,2-Dichloroethane-d4	124	76-130
Toluene-d8	112	80-120
Bromofluorobenzene	106	80-126



### Purgeable Organics by GC/MS

Lab #: 187445	Location: OBRA-Oakland
Client: Pacific States Env. Contractors	Prep: EPA 5030B
Project#: 605119	Analysis: EPA 8260B
Field ID: B1-IF-DS-017	Diln Fac: 1.000
Lab ID: 187445-016	Batch#: 114443
Matrix: Soil	Sampled: 06/15/06
Units: ug/Kg	Received: 06/15/06
Basis: as received	Analyzed: 06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
Toluene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
n-Butylbenzene	ND	5.0
Xylene (total)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	108	79-120
1,2-Dichloroethane-d4	127	76-130
Toluene-d8	112	80-120
Bromofluorobenzene	108	80-126

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	BS	Basis:	as received
Lab ID:	QC344064	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114438
Units:	ug/Kg	Analyzed:	06/15/06

Analyte	Spiked	Result	%REC	Limits
Vinyl Chloride	25.00	23.15	93	62-123
Trichlorofluoromethane	25.00	23.79	95	76-136
Acetone	25.00	27.26	109	50-131
1,1-Dichloroethene	25.00	25.85	103	79-132
Methylene Chloride	25.00	24.39	98	72-127
Carbon Disulfide	25.00	20.47	82	65-126
MTBE	25.00	22.52	90	69-120
trans-1,2-Dichloroethene	25.00	26.16	105	79-123
1,1-Dichloroethane	25.00	24.82	99	73-120
2-Butanone	25.00	23.33	93	60-130
cis-1,2-Dichloroethene	25.00	25.14	101	80-121
Chloroform	25.00	24.44	98	75-120
Carbon Tetrachloride	25.00	26.14	105	77-136
1,2-Dichloroethane	25.00	23.29	93	72-120
Benzene	25.00	23.89	96	80-120
Trichloroethene	25.00	24.42	98	80-121
1,2-Dichloropropane	25.00	21.46	86	73-120
Bromodichloromethane	25.00	25.20	101	80-128
4-Methyl-2-Pentanone	25.00	23.64	95	65-130
Toluene	25.00	22.96	92	80-120
1,1,2-Trichloroethane	25.00	24.32	97	80-120
Tetrachloroethene	25.00	25.47	102	80-131
Dibromochloromethane	25.00	25.36	101	80-122
Ethylbenzene	25.00	24.60	98	80-120
Isopropylbenzene	25.00	24.80	99	76-120
1,1,2,2-Tetrachloroethane	25.00	24.93	100	72-120
1,2,3-Trichloropropane	25.00	25.20	101	74-120
Propylbenzene	25.00	26.76	107	80-125
1,3,5-Trimethylbenzene	25.00	25.85	103	80-121
tert-Butylbenzene	25.00	26.71	107	80-124
1,2,4-Trimethylbenzene	25.00	25.81	103	80-120
sec-Butylbenzene	25.00	27.69	111	80-129
para-Isopropyl Toluene	25.00	26.36	105	80-122
n-Butylbenzene	25.00	26.74	107	80-130

Surrogate	%REC	Limits
Dibromofluoromethane	101	79-120
1,2-Dichloroethane-d4	99	76-130
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC344067	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114438
Units:	ug/Kg	Analyzed:	06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
Toluene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
n-Butylbenzene	ND	5.0
Xylene (total)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	98	79-120
1,2-Dichloroethane-d4	97	76-130
Toluene-d8	96	80-120
Bromofluorobenzene	114	80-126

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	LCS	Basis:	as received
Lab ID:	QC344091	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114443
Units:	ug/Kg	Analyzed:	06/15/06

Analyte	Spiked	Result	%REC	Limits
Vinyl Chloride	25.00	17.96	72	62-123
Trichlorofluoromethane	25.00	23.96	96	76-136
Acetone	25.00	30.54	122	50-131
1,1-Dichloroethene	25.00	28.19	113	79-132
Methylene Chloride	25.00	24.26	97	72-127
Carbon Disulfide	25.00	20.87	83	65-126
MTBE	25.00	23.40	94	69-120
trans-1,2-Dichloroethene	25.00	24.41	98	79-123
1,1-Dichloroethane	25.00	23.11	92	73-120
2-Butanone	25.00	24.12	96	60-130
cis-1,2-Dichloroethene	25.00	24.69	99	80-121
Chloroform	25.00	23.27	93	75-120
Carbon Tetrachloride	25.00	24.42	98	77-136
1,2-Dichloroethane	25.00	23.22	93	72-120
Benzene	25.00	23.64	95	80-120
Trichloroethene	25.00	24.13	97	80-121
1,2-Dichloropropane	25.00	22.59	90	73-120
Bromodichloromethane	25.00	25.55	102	80-128
4-Methyl-2-Pentanone	25.00	25.37	101	65-130
Toluene	25.00	24.44	98	80-120
1,1,2-Trichloroethane	25.00	25.39	102	80-120
Tetrachloroethene	25.00	24.35	97	80-131
Dibromochloromethane	25.00	24.73	99	80-122
Ethylbenzene	25.00	24.71	99	80-120
Isopropylbenzene	25.00	22.68	91	76-120
1,1,2,2-Tetrachloroethane	25.00	25.36	101	72-120
1,2,3-Trichloropropane	25.00	24.06	96	74-120
Propylbenzene	25.00	26.50	106	80-125
1,3,5-Trimethylbenzene	25.00	25.51	102	80-121
tert-Butylbenzene	25.00	25.64	103	80-124
1,2,4-Trimethylbenzene	25.00	25.08	100	80-120
sec-Butylbenzene	25.00	26.00	104	80-129
para-Isopropyl Toluene	25.00	24.96	100	80-122
n-Butylbenzene	25.00	26.55	106	80-130

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	103	76-130
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC344092	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114443
Units:	ug/Kg	Analyzed:	06/15/06

Analyte	Result	RL
Vinyl Chloride	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
Toluene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
n-Butylbenzene	ND	5.0
Xylene (total)	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	98	79-120
1,2-Dichloroethane-d4	111	76-130
Toluene-d8	106	80-120
Bromofluorobenzene	105	80-126

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Type:	BSD	Basis:	as received
Lab ID:	QC344130	Diln Fac:	1.000
Matrix:	Soil	Batch#:	114438
Units:	ug/Kg	Analyzed:	06/15/06

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Vinyl Chloride	25.00	23.55	94	62-123	2	20
Trichlorofluoromethane	25.00	23.80	95	76-136	0	20
Acetone	25.00	28.99	116	50-131	6	28
1,1-Dichloroethene	25.00	25.37	101	79-132	2	20
Methylene Chloride	25.00	24.96	100	72-127	2	20
Carbon Disulfide	25.00	20.52	82	65-126	0	20
MTBE	25.00	24.53	98	69-120	9	20
trans-1,2-Dichloroethene	25.00	26.28	105	79-123	0	20
1,1-Dichloroethane	25.00	24.62	98	73-120	1	20
2-Butanone	25.00	24.35	97	60-130	4	28
cis-1,2-Dichloroethene	25.00	25.78	103	80-121	3	20
Chloroform	25.00	24.47	98	75-120	0	20
Carbon Tetrachloride	25.00	25.55	102	77-136	2	20
1,2-Dichloroethane	25.00	24.28	97	72-120	4	20
Benzene	25.00	24.13	97	80-120	1	20
Trichloroethene	25.00	24.03	96	80-121	2	20
1,2-Dichloropropane	25.00	22.17	89	73-120	3	20
Bromodichloromethane	25.00	25.02	100	80-128	1	20
4-Methyl-2-Pentanone	25.00	25.40	102	65-130	7	25
Toluene	25.00	23.82	95	80-120	4	20
1,1,2-Trichloroethane	25.00	24.91	100	80-120	2	20
Tetrachloroethene	25.00	24.71	99	80-131	3	20
Dibromochloromethane	25.00	25.70	103	80-122	1	20
Ethylbenzene	25.00	23.69	95	80-120	4	20
Isopropylbenzene	25.00	23.79	95	76-120	4	20
1,1,2,2-Tetrachloroethane	25.00	24.33	97	72-120	2	20
1,2,3-Trichloropropane	25.00	23.90	96	74-120	5	20
Propylbenzene	25.00	25.43	102	80-125	5	20
1,3,5-Trimethylbenzene	25.00	24.66	99	80-121	5	20
tert-Butylbenzene	25.00	25.44	102	80-124	5	20
1,2,4-Trimethylbenzene	25.00	23.91	96	80-120	8	20
sec-Butylbenzene	25.00	25.82	103	80-129	7	20
para-Isopropyl Toluene	25.00	24.96	100	80-122	5	20
n-Butylbenzene	25.00	25.99	104	80-130	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	79-120
1,2-Dichloroethane-d4	101	76-130
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Field ID:	B1-IF-DS-004	Diln Fac:	0.9804
MSS Lab ID:	187445-003	Batch#:	114438
Matrix:	Soil	Sampled:	06/15/06
Units:	ug/Kg	Received:	06/15/06
Basis:	as received	Analyzed:	06/15/06

Type: MS Lab ID: QC344167

Analyte	MSS Result	Spiked	Result	%REC	Limits
Vinyl Chloride	<0.7666	49.02	41.15	84	52-127
Trichlorofluoromethane	<0.9711	49.02	44.25	90	57-140
Acetone	<2.152	49.02	50.48	103	32-165
1,1-Dichloroethene	<0.1784	49.02	50.61	103	72-135
Methylene Chloride	20.09	49.02	58.45	78	31-145
Carbon Disulfide	<1.658	49.02	41.03	84	54-120
MTBE	<0.3043	49.02	39.90	81	56-120
trans-1,2-Dichloroethene	<1.166	49.02	48.54	99	68-121
1,1-Dichloroethane	<0.5275	49.02	46.03	94	62-120
2-Butanone	<0.5242	49.02	44.09	90	43-128
cis-1,2-Dichloroethene	<0.6039	49.02	46.38	95	67-120
Chloroform	<0.8592	49.02	47.34	97	64-120
Carbon Tetrachloride	<0.3254	49.02	55.21	113	65-135
1,2-Dichloroethane	<0.2097	49.02	44.16	90	60-120
Benzene	<1.226	49.02	44.43	91	67-120
Trichloroethene	<0.2794	49.02	46.63	95	65-131
1,2-Dichloropropane	<0.1961	49.02	39.89	81	61-120
Bromodichloromethane	<0.3331	49.02	47.72	97	66-124
4-Methyl-2-Pentanone	<0.1386	49.02	44.00	90	54-124
Toluene	<0.2104	49.02	43.23	88	62-120
1,1,2-Trichloroethane	<0.3458	49.02	44.93	92	60-120
Tetrachloroethene	<0.6398	49.02	48.40	99	57-134
Dibromochloromethane	<1.085	49.02	47.02	96	59-120
Ethylbenzene	<0.4675	49.02	45.95	94	60-120
Isopropylbenzene	<0.4796	49.02	43.52	89	53-120
1,1,2,2-Tetrachloroethane	<1.568	49.02	42.62	87	48-120
1,2,3-Trichloropropane	<1.516	49.02	43.23	88	52-120
Propylbenzene	<0.5923	49.02	46.78	95	53-123
1,3,5-Trimethylbenzene	<0.5122	49.02	46.18	94	53-120
tert-Butylbenzene	<0.2704	49.02	48.45	99	54-126
1,2,4-Trimethylbenzene	<0.5032	49.02	44.04	90	49-120
sec-Butylbenzene	<0.5458	49.02	50.18	102	51-130
para-Isopropyl Toluene	<0.4870	49.02	46.12	94	48-122
n-Butylbenzene	<0.3615	49.02	48.36	99	43-128

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	112	76-130
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-126

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Field ID:	B1-IF-DS-004	Diln Fac:	0.9804
MSS Lab ID:	187445-003	Batch#:	114438
Matrix:	Soil	Sampled:	06/15/06
Units:	ug/Kg	Received:	06/15/06
Basis:	as received	Analyzed:	06/15/06

Type: MSD Lab ID: QC344168

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Vinyl Chloride	49.02	47.55	97	52-127	14	26
Trichlorofluoromethane	49.02	46.92	96	57-140	6	26
Acetone	49.02	47.81	98	32-165	5	35
1,1-Dichloroethene	49.02	55.43	113	72-135	9	22
Methylene Chloride	49.02	58.43	78	31-145	0	30
Carbon Disulfide	49.02	43.23	88	54-120	5	23
MTBE	49.02	39.50	81	56-120	1	23
trans-1,2-Dichloroethene	49.02	50.62	103	68-121	4	21
1,1-Dichloroethane	49.02	48.47	99	62-120	5	21
2-Butanone	49.02	45.23	92	43-128	3	27
cis-1,2-Dichloroethene	49.02	47.35	97	67-120	2	20
Chloroform	49.02	47.58	97	64-120	1	20
Carbon Tetrachloride	49.02	56.32	115	65-135	2	22
1,2-Dichloroethane	49.02	46.27	94	60-120	5	20
Benzene	49.02	45.94	94	67-120	3	20
Trichloroethene	49.02	47.83	98	65-131	3	20
1,2-Dichloropropane	49.02	41.34	84	61-120	4	20
Bromodichloromethane	49.02	50.81	104	66-124	6	20
4-Methyl-2-Pentanone	49.02	49.58	101	54-124	12	25
Toluene	49.02	46.00	94	62-120	6	20
1,1,2-Trichloroethane	49.02	48.02	98	60-120	7	20
Tetrachloroethene	49.02	51.64	105	57-134	6	23
Dibromochloromethane	49.02	47.17	96	59-120	0	21
Ethylbenzene	49.02	48.50	99	60-120	5	21
Isopropylbenzene	49.02	44.71	91	53-120	3	22
1,1,1,2,2-Tetrachloroethane	49.02	44.74	91	48-120	5	24
1,2,3-Trichloropropane	49.02	45.91	94	52-120	6	23
Propylbenzene	49.02	48.98	100	53-123	5	23
1,3,5-Trimethylbenzene	49.02	47.57	97	53-120	3	23
tert-Butylbenzene	49.02	51.19	104	54-126	6	24
1,2,4-Trimethylbenzene	49.02	46.18	94	49-120	5	25
sec-Butylbenzene	49.02	51.57	105	51-130	3	24
para-Isopropyl Toluene	49.02	49.46	101	48-122	7	25
n-Butylbenzene	49.02	52.19	106	43-128	8	27

Surrogate	%REC	Limits
Dibromofluoromethane	104	79-120
1,2-Dichloroethane-d4	109	76-130
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-126

RPD= Relative Percent Difference



## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9259
MSS Lab ID:	187437-002	Batch#:	114443
Matrix:	Soil	Sampled:	06/14/06
Units:	ug/Kg	Received:	06/14/06
Basis:	as received	Analyzed:	06/15/06

Type: MS Lab ID: QC344169

Analyte	MSS Result	Spiked	Result	%REC	Limits
Vinyl Chloride	<0.2324	23.15	15.46	67	52-127
Trichlorofluoromethane	<0.1931	23.15	21.34	92	57-140
Acetone	19.03	23.15	63.42	192 *	32-165
1,1-Dichloroethene	<0.8526	23.15	23.26	100	72-135
Methylene Chloride	12.81	23.15	34.66	94	31-145
Carbon Disulfide	<1.460	23.15	14.02	61	54-120
MTBE	<0.3501	23.15	18.00	78	56-120
trans-1,2-Dichloroethene	<0.3570	23.15	16.96	73	68-121
1,1-Dichloroethane	<0.3110	23.15	20.22	87	62-120
2-Butanone	3.088	23.15	25.51	97	43-128
cis-1,2-Dichloroethene	<0.6419	23.15	18.40	79	67-120
Chloroform	<0.4101	23.15	19.70	85	64-120
Carbon Tetrachloride	<0.5434	23.15	18.90	82	65-135
1,2-Dichloroethane	<0.3074	23.15	19.12	83	60-120
Benzene	<0.2323	23.15	19.49	84	67-120
Trichloroethene	<0.2519	23.15	20.43	88	65-131
1,2-Dichloropropane	<0.4508	23.15	18.12	78	61-120
Bromodichloromethane	<0.6088	23.15	20.04	87	66-124
4-Methyl-2-Pentanone	<0.3778	23.15	20.64	89	54-124
Toluene	<0.2174	23.15	17.96	78	62-120
1,1,2-Trichloroethane	<0.9604	23.15	20.00	86	60-120
Tetrachloroethene	<0.2244	23.15	18.36	79	57-134
Dibromochloromethane	<0.4785	23.15	18.45	80	59-120
Ethylbenzene	<0.2010	23.15	17.90	77	60-120
Isopropylbenzene	<0.3102	23.15	15.02	65	53-120
1,1,2,2-Tetrachloroethane	<0.4315	23.15	15.43	67	48-120
1,2,3-Trichloropropane	<0.4993	23.15	18.34	79	52-120
Propylbenzene	<0.2167	23.15	16.67	72	53-123
1,3,5-Trimethylbenzene	<0.2464	23.15	15.78	68	53-120
tert-Butylbenzene	<0.2432	23.15	16.01	69	54-126
1,2,4-Trimethylbenzene	<0.2632	23.15	15.53	67	49-120
sec-Butylbenzene	<0.3059	23.15	14.17	61	51-130
para-Isopropyl Toluene	<0.3129	23.15	14.06	61	48-122
n-Butylbenzene	<0.8697	23.15	12.99	56	43-128

Surrogate	%REC	Limits
Dibromofluoromethane	102	79-120
1,2-Dichloroethane-d4	110	76-130
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-126

\*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

## Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	187445	Location:	OBRA-Oakland
Client:	Pacific States Env. Contractors	Prep:	EPA 5030B
Project#:	605119	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9259
MSS Lab ID:	187437-002	Batch#:	114443
Matrix:	Soil	Sampled:	06/14/06
Units:	ug/Kg	Received:	06/14/06
Basis:	as received	Analyzed:	06/15/06

Type: MSD Lab ID: QC344170

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Vinyl Chloride	23.15	17.55	76	52-127	13	26
Trichlorofluoromethane	23.15	22.17	96	57-140	4	26
Acetone	23.15	58.78	172 *	32-165	8	35
1,1-Dichloroethene	23.15	18.31	79	72-135	24 *	22
Methylene Chloride	23.15	30.80	78	31-145	12	30
Carbon Disulfide	23.15	15.89	69	54-120	12	23
MTBE	23.15	17.46	75	56-120	3	23
trans-1,2-Dichloroethene	23.15	18.08	78	68-121	6	21
1,1-Dichloroethane	23.15	19.74	85	62-120	2	21
2-Butanone	23.15	23.21	87	43-128	9	27
cis-1,2-Dichloroethene	23.15	18.43	80	67-120	0	20
Chloroform	23.15	19.22	83	64-120	2	20
Carbon Tetrachloride	23.15	19.14	83	65-135	1	22
1,2-Dichloroethane	23.15	18.41	80	60-120	4	20
Benzene	23.15	19.74	85	67-120	1	20
Trichloroethene	23.15	19.60	85	65-131	4	20
1,2-Dichloropropane	23.15	17.88	77	61-120	1	20
Bromodichloromethane	23.15	19.62	85	66-124	2	20
4-Methyl-2-Pentanone	23.15	19.74	85	54-124	4	25
Toluene	23.15	17.74	77	62-120	1	20
1,1,2-Trichloroethane	23.15	18.45	80	60-120	8	20
Tetrachloroethene	23.15	18.01	78	57-134	2	23
Dibromochloromethane	23.15	16.76	72	59-120	10	21
Ethylbenzene	23.15	18.35	79	60-120	3	21
Isopropylbenzene	23.15	15.92	69	53-120	6	22
1,1,2,2-Tetrachloroethane	23.15	15.02	65	48-120	3	24
1,2,3-Trichloropropane	23.15	16.66	72	52-120	10	23
Propylbenzene	23.15	17.73	77	53-123	6	23
1,3,5-Trimethylbenzene	23.15	16.78	72	53-120	6	23
tert-Butylbenzene	23.15	16.93	73	54-126	6	24
1,2,4-Trimethylbenzene	23.15	15.61	67	49-120	1	25
sec-Butylbenzene	23.15	16.86	73	51-130	17	24
para-Isopropyl Toluene	23.15	15.46	67	48-122	9	25
n-Butylbenzene	23.15	15.20	66	43-128	16	27

Surrogate	%REC	Limits
Dibromofluoromethane	104	79-120
1,2-Dichloroethane-d4	114	76-130
Toluene-d8	106	80-120
Bromofluorobenzene	107	80-126

 \*= Value outside of QC limits; see narrative  
 RPD= Relative Percent Difference