CAL INC

FINAL
SITE ASSESSMENT REPORT
VA EXTENDED CARE FACILITY
MATHER AIRPORT, CA

PREPARED ON BEHALF OF:

VA NORTHERN CALIFORNIA HEALTH CARE SYSTEM
DEPARTMENT OF VETERANS AFFAIRS
10535 HOSPITAL WAY
MATHER, CA 95655

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JULY 2005

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1.0 INTRODUCTION

This report presents the results of a subsurface investigation conducted at the proposed Extended Care Facility located at Mather Airport, California (see Appendix 1 for location maps). The assessment consisted of reviewing available environmental documents, testing site soils for potential contaminants, and analyzing soil samples for potential chemicals of concern. This investigation was conducted under contract number V261P-2364 between the Veterans Administration and CAL INC dated March 18, 2005.

2.0 SCOPE OF WORK

The overall objective of the investigation was to assess the presence/non-presence of hazardous substances in the shallow soils at the site. Construction of the new Extended Care Facility will include excavation and grading activities which are expected to extend about five feet below ground surface. Therefore, the purpose of this investigation was to evaluate soils across the site from near surface to approximately five feet in depth.

The following major features of work were performed to achieve this goal:

- Mobilization;
- Underground utility survey;
- Drilling soil borings;
- Collecting soil samples for laboratory analyses;
- Chemical analysis of soil samples; and
- Preparing a report summarizing the findings of the investigation.

A background section followed by a detailed description of the field activities is presented in the following sections.

3.0 SITE BACKGROUND

3.1 Site Location and Description

The project site is located in the northern portion of the former Mather AFB. The proposed Extended Care Facility will be located immediately east of building B730, as shown on Figures 1 and 2. The site is currently and undeveloped lot surrounded by a chain link fence.

3.2 Site Topography

Referencing the *Carmichael Quadrangle 7.5 Minute Series Topographic Map, United States Department of the Interior, Geological Survey,* the elevation of the sites is approximately 95 feet above sea level.

3.3 Regional Geology and Soils

Mather Field is in the northern half of the Great (Central) Valley Physiographics Province. This portion of the Great Valley is commonly referred to as the Sacramento Valley, which is a structural trough filled with a thick sequence of sediments including silts, sands, clays, and gravels. The Sacramento Valley is bound by the Sierra Nevada Mountain Range to the east and coastal ranges to the west.

The geology beneath the subject site consists of unconsolidated sediments from the Terrace Gravels, Laguna Formation and Mehrten Formation. In general, soils beneath the site consist of silty soils at the surface, which are underlain by terrace gravels. The Terrace Gravels is the most pertinent geologic unit, encompassing approximately the first 50 feet below ground surface (bgs).

The Laguna Formation is beneath the Terrace Gravels, consisting of unconsolidated fluvial sediments of Pliocene to Pleistocene age gravels, silts, sands, and clays found in alternating layers approximately 200 to 350 feet thick. The course sediments represent multiple channels stacked vertically, and the silts and clays represent overbank sediment deposited during flood events.

The lowermost geologic unit is the Tertiary Mehrten Formation, containing groundwater. The Mehrten Formation consists of fluvial, volcaniclastic sediments, made up of black andesitic sand and interbeds of blue to brown clay. The Formation is 200 to 500 feet thick, thickening from the east to the west.

3.4 Hydrology

3.4.1 Surface Water

No surface waters are located within 0.25 miles of the site.

Mather Lake is the largest surface water feature near the subject sites. It encompasses 64 acres and is over three miles south of the site. The lake is an impoundment of Morrison Creek. It is an aquatic habitat and a recreational resource for the base. The lake is fed by two seasonal streams that cross Folsom South Canal by aqueducts and then flow into the lake. The lake level is maintained by surface water runoff, by water pumped from Folsom South Canal, and by groundwater pumped into the lake.

3.4.2 Groundwater

According to the Superfund Record of Decision (EPA, 1993), groundwater resources in the region of the site occurs in the Shallow Water Bearing Zone (SWBZ), the Lower Water Bearing Zone (LWBZ) of the Laguna Formation, and in underlying deeper aquifers in the Mehrten Formation. The water table is expected to be encountered at 120 feet below land surface.

4.0 FIELD ACTIVITIES AND METHODS

This section presents a summary of the site activities completed on May 11, 2005. Photographs taken during the drilling activities are included in Appendix 2.

4.1 Soil Sampling Program

4.1.1 Sampling Locations

A sampling and analyses program was implemented to evaluate subsurface conditions on the property. The soil boring and sampling program consisted of advancing five soil borings (BH-1 through BH-6), to a depth of 5 feet below ground surface (bgs). The sampling locations are presented on Figure 3.

4.1.2 Soil Sampling Methodology

BH-1 through BH-5 were advanced using a 3.5" diameter stainless steel hand auger. Samples were collected from target depths using a stainless steel barrel sampler lined with one six inch long stainless steel sample tube. The barrel sampler was hammered into the soil using a 25 pound slide hammer attachment.

Upon retrieval, the sample tubes were sealed with Teflon® tape and plastic end caps and placed in a chest cooled with ice prior to delivery to the laboratory.

4.1.3 Groundwater Sampling Methodology

Grab groundwater samples were not collected.

4.2 Analytical Program

4.2.1 Analytical Methods

AmeriSci, Los Angeles, California, analyzed all soil samples. AmeriSci Labs is certified by the State of California Department of Health Services to conduct the analyses included in the analytical program. The samples collected during the investigation were analyzed for the following:

- Total Extractable Petroleum Hydrocarbons: - US EPA Method 8015M
- Volatile Organic Compounds (VOCs) - US EPA Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) - US EPA Method 8270B
- Polychlorinated Biphenyls - EPA 8081

- CAM 17 Metals - EPA 7000 series

4.2.2 Rationale

Based on the past practices at Mather AFB, it is possible that various chemicals including fuels, solvents, heavy metals and PCBs may have been handled at the site. Therefore the purpose of the investigation was to evaluate subsurface conditions beneath the property in the shallow soils that are expected to be disturbed during construction activities.

4.3 QA/QC Procedures

Information contained on the chain of custody and sample identification labels included:

- Sample number;
- Location of sample;
- Client;
- Project number;
- Destination of the sample;
- Type of analysis; and
- Date and time of collection.

4.3.2 Sample Handling, Preservation, and Handling

4.3.2.1 Sample Preservation

As each sample was collected, it was immediately stored in a chest cooled with blue ice packs or ice. All ice was sealed in double plastic bags to prevent leakage. Other than cooling the samples with ice, none of the soil samples required any preservation.

4.3.2.2 Sample Transportation and Custody

Following soil-sampling activities conducted on August 6, 2004, all soil and groundwater samples were delivered under chain-of-custody protocol to Kiyoshi Williamson, North State Labs.

4.3.3 Field Monitoring

Soil samples were noted for obvious petroleum/chemical odors following retrieval from beneath ground surface. Observations and odors detected were noted on field observation forms.

4.3.4 Laboratory QA/QC

The laboratory QA/QC program consisted of calibration and analyzing duplicate samples, matrix spike/matrix spike duplicates (MS/MSD), and evaluating surrogate recoveries. The laboratory QA/QC program is summarized with the laboratory analytical report in Appendix 3.

4.3.5 Chain of Custody Documentation

Chain-of-custody procedures were followed to trace the possession and handling of individual samples from the time of field collection through laboratory analysis. Documentation of custody was accomplished through a chain-of-custody record, that lists each sample and the names of individuals responsible for sample collection, shipment, and receipt. A sample is considered in custody if it is:

- In a person's possession;
- In view after being, in physical possession;
- Locked or sealed so that no one can tamper with it after having been in physical custody; and
- In a secured area, restricted to authorized personnel.

Samples submitted to the laboratory were accompanied by the proper chain-of-custody documentation. The chain-of-custody form was properly signed and the date of collection and shipment recorded, along with the sample site identifications and requested analyses for each sample. A copy is provided with the analytical data in Appendix 3.

4.4 Equipment Decontamination

All drilling, soil sampling equipment was cleaned using a non-phosphate detergent and water solution wash and tap water rinse between each boring. Soil sampling equipment was decontaminated between each boring

4.5 Site Restoration

After all drilling and sampling activities were complete, the boreholes were properly abandoned. All boreholes were backfilled with an approved Portland cement mixture the total depth of the boring to the ground surface.

4.6 Health and Safety

All work for the investigation was conducted in accordance with the site specific safety and health plan. All work was conducted in accordance with CFR 1910.120 and CFR 1910.126, and

all on-site employees were 40-hour OSHA trained, with current 8-hour updates and yearly medical monitoring.

5.0 SUBSURFACE CONDITIONS

5.1 Soil

A total of five soil borings were installed at the site. The boring locations were initially planned to be located in the northwest, northeast, southeast, southwest, and center of the property. However, one of the boring locations had to be relocated due to cobbly soil conditions. In the southeast corner of the site, the soils within the top two feet consisted of one inch to over three inch sized rounded cobbles. Auger penetration through this layer was unsuccessful.

Soils encountered during the drilling consisted of clayey silts and gravelly clay from near surface to 5 feet, the maximum depth explored. The soils were slightly moist and there was no visual evidence of contamination and no unusual odors.

All soils were screened utilizing a photoionization detector (PID). The PID measures concentrations of organic compounds relative to an isobutylene standard. All PID readings were non-detect.

5.2 Groundwater

Groundwater was not encountered at a depth of 5 feet below ground surface.

6.0 RESULTS

6.1 Laboratory Analytical Testing

This section presents the results of chemical analyses conducted on soil samples collected. A copy of the laboratory data sheets and QA/QC analyses are provided in Appendix 3.

Soil samples were collected from soil borings BH-1 through BH-5. Soil samples collected were analyzed for TPH, VOCs, SVOCs, PCBs, and CAM 17 Metals. The following is a summary of the results:

- TPH was not detected in any soil sample.
- VOCs were not detected in any soil sample.
- SVOCs were not detected in any soil sample.
- PCBs were not detected in any soil sample.

Heavy metals were detected at various concentrations below the site. The following table provides a summary of the metals concentrations detected below the site:

Analyte	BH1 1'	BH1 5'	BH2 1'	BH2 5'	BH3 1'	BH3 5'	BH4 1'	BH4 5'	BH5 1'	BH5 5'	EPA PRG*	RWQCB RBSL**
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	390	20
Arsenic	**1.1**	**<1**	**1.2**	**1.6**	**1.5**	**2**	**2**	**1.7**	**1.4**	**1.6**	0.39	0.39
Barium	36	48	41	40	4.2	180	70	50	38	42	5400	750
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	150	4
Cadmium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	37	1.7
Cobalt	6	5	6.5	6	6	18	10	5.5	6	6.5	900	40
Chromium	**16**	**14**	**15**	**18**	**18**	**18**	**22**	**18**	**17**	**18**	210	13
Copper	6	5	6	6.5	8	12	9.5	6.5	7	8	3100	225
Mercury	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	23	4.7
Molybdenum	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	390	40
Nickel	9	13	9	12	12	20	14	14	10	13	1600	150
Lead	3.3	<1	<3	3.3	9	5.5	5	3.2	4.6	3.8	150	200
Antimony	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	31	6.3
Selenium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	390	10
Thallium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	5.2	1
Vanadium	25	18	25	31	26	35	39	34	26	30	78	110
Zinc	14	12	15	15	20	20	19	15	16	16	23000	600

* EPA Preliminary Remediation Goal for Residential Soil, October 2004 (Appendix 4)

** California Regional Water Quality Control Board Risk Based Screening Level for Surface Soil (<3 meters), December 2001 (Appendix 5)

6.2 Discussion

6.2.1 Comparison of Data to PRGs

As indicated above, both arsenic and chromium were detected at concentrations above state and federal screening levels. The maximum soil levels of arsenic are higher than the EPA Preliminary Remediation Goal for residential soil, which is 0.39 mg/kg, and the CAL-modified version which is 0.062 mg/kg. The same is not true of chromium, as the soil levels are below the residential soil PRG even if one makes the worst case assumption that all the chromium present in the soil is hexavalent, and uses the CrVI PRG of 30 mg/kg. Therefore the arsenic PRG is the only PRG of environmental concern.

The arsenic residential soil PRG is a level calculated conservatively to give a cancer risk not greater than one in a million for residents living in that level for a lifetime. The calculation makes use of several exposure assumptions, such as soil inhaled and ingested by children playing in the soil for a lifetime, which are not relevant to any other sort of exposure scenario. Therefore the residential soil PRG is a conservative comparison for any proposed activity on the site.

6.2.2 Comparison of Data to Background Concentrations

Arsenic and chromium soil concentrations reported for this site appear to be well within the normal range found in dry soil. For example, Bowen, 1966, gave a mean dry soil arsenic concentration of 6 mg/kg and a range of 0.1 to 40 mg/kg. [Bowen, H.J.M., 1966 - Trace Elements in Biochemistry, Academic Press, London] The same source gives mean concentration of chromium in dry soil of 100 mg/kg with a range of 5 to 3000 mg/kg.

6.2.3 Short Term Construction Worker Safety

Calculations from a worker safety standpoint were prepared to estimate how much dust exposure would be required to exceed the most conservative scenario. The most conservative assumption would be to assume that the OSHA or Cal-OSHA limit for hexavalent chromium (CrVI) were to go into effect at 1 $\mu g/m^3$ of air, and further that the chromium present is 100% hexavalent chromium.

The total dust exposure (time-weighted average) required to achieve exposure of 1 $\mu g/m^3$ is presented in the following equation:

$$\frac{1 \text{ microgram Cr}}{\text{m3 air}} \times \frac{1 \text{ kg soil}}{22 \text{ mg Cr}} \times \frac{1{,}000{,}000 \text{ mg soil}}{\text{kg soil}}$$

$$\times \frac{\text{mg Cr}}{1000 \text{ micrograms Cr}} = \frac{45 \text{ mg soil (total dust)}}{\text{m3 air}}$$

Such a high dust exposure level (as a time-weighted average) is simply unheard of in construction work and probably never been achieved. Accordingly, we can deduce that it would be unlikely that worker exposure levels would be exceeded in construction activities on site.

Similar calculations involving arsenic exposures would be even more conservative because exposure limits for arsenic are higher than hexavalent chromium. Further, the arsenic soil concentrations are less than one-tenth that of chromium.

6.2.4 Long Term Employee and Patient Safety

Exposure of arsenic and chromium in the site soils to employees which may work at the facility over the course of many years, as well as potential patients who may reside at the facility is not expected to be a concern. The exposure scenario described in section 6.2.3 above for construction workers would far exceed any potential scenario for long term employees or patients because there would not be any disturbance of site soils by these personnel. In addition, engineering controls would be instituted to remove potential pathways of exposure.

7.0 SUMMARY & RECOMMENDATIONS

7.1 Summary

Based on the results of the investigation conducted, no significant release of hazardous materials to the site's shallow soils is evident. The following summary is provided.

1. Soil samples were collected from five separate locations (BH-1 through BH-5).

2. The investigation indicated no presence of TPH, VOCs, SVOCs, or PCBs residue in the soil at the sample locations.

3. Heavy metals, including elevated concentrations of arsenic and chromium, are present in the site soils. However, the soil concentrations appear to be within the normal background range for dry soil.

4. Soils beneath the site consist primarily of clays and clayey silt.

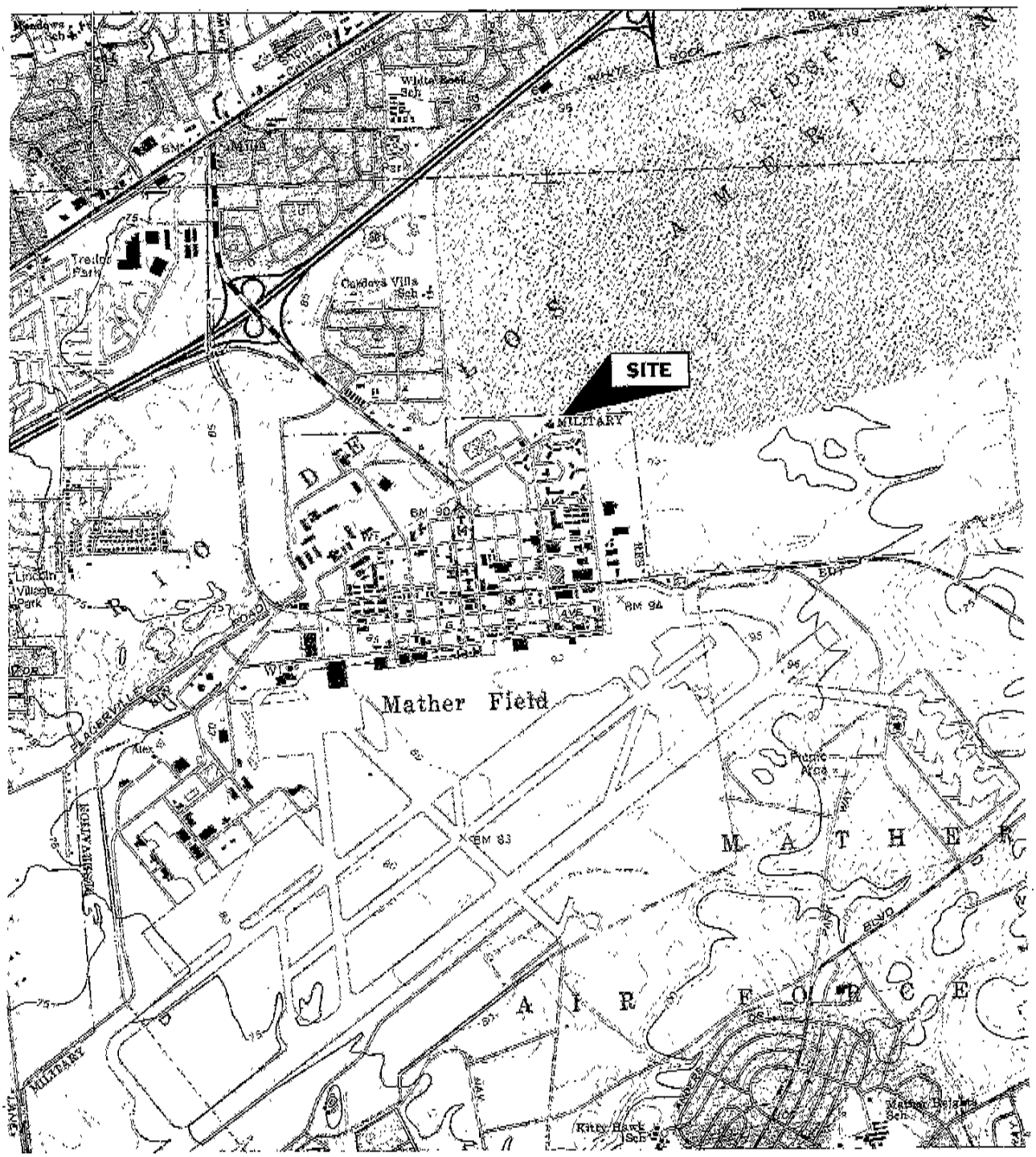
5. Groundwater was not encountered in any boring.

7.2 Recommendations

The purpose of the sampling for this investigation was to evaluate the presence of subsurface contamination below the site at depths of the expected construction activities. This included an evaluation of subsurface conditions to 5 feet in depth. A detailed evaluation of the subsurface soils deeper than five feet at the site is beyond the scope of this investigation.

Although the calculations above indicate that exposures will be below limits and guidelines, it is recommended that baseline monitoring be conducted during excavation and grading operations to establish a negative exposure assessment (NEA). The OSHA standard on inorganic arsenic has provisions that could be interpreted as requiring such monitoring, and such a requirement could be the basis for an employee complaint to OSHA. The sampling should not be done during initial groundbreaking, when soil is moist and not yet scattered about, but should be done after soil has the opportunity to dry out on the surface and visible clouds of dust can be seen when vehicles run over the soil.

Though the construction scenario above would produce a far greater risk of exposure, engineering and institutional controls should be implemented to minimize potential exposure to long term VA employees and patients. Given the nature of the proposed use, this could be achieved by the "capping" of the existing soils with the building foundation, landscaping, and hardscaping. This would include the paving of parking lots, concrete sidewalks and slabs, and importation of top soil for landscaped areas. These engineering and institutional controls would prohibit any potential contact with the site soils.



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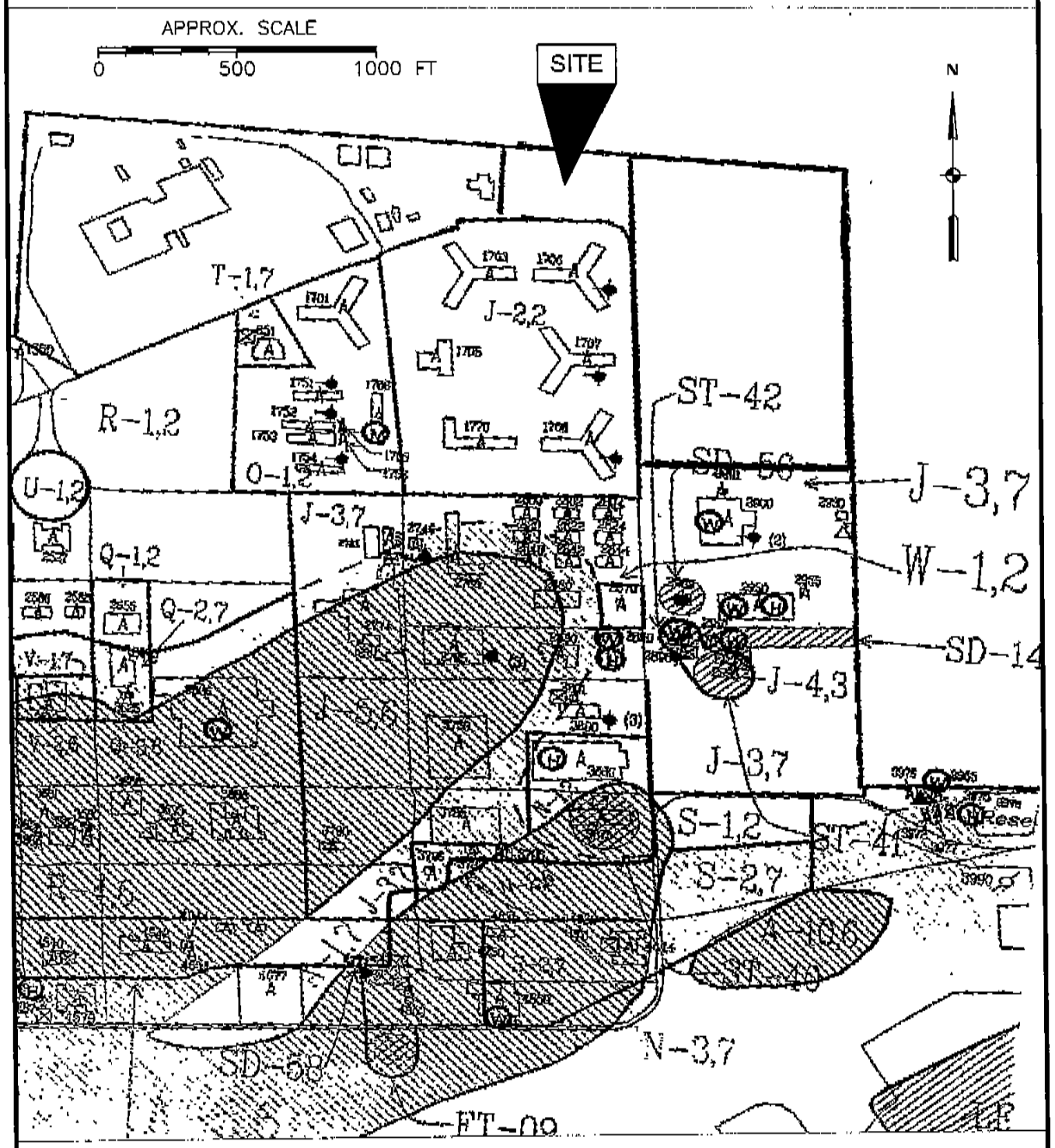
SITE TOPOGRAPHIC MAP
PROPOSED EXTENDED CARE FACILITY
VETERANS ADMINISTRATION
MATHER AIR FORCE BASE, CALIFORNIA

FIG. 1



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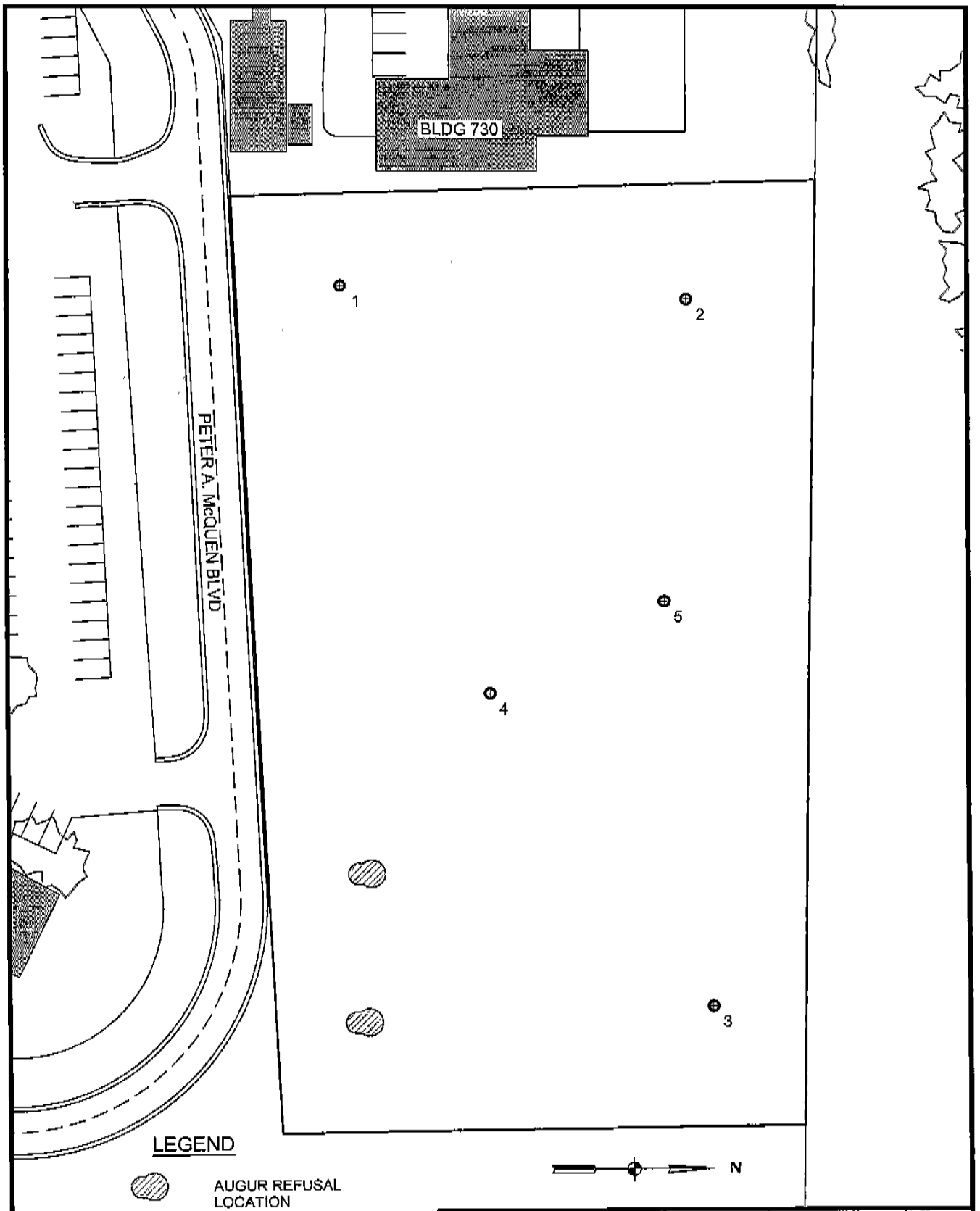
	REVISION:	CAD FILE: 11785_F2	SCALE: AS SHOWN

MATHER AFB PLUME MAP
PROPOSED EXTENDED CARE FACILITY
VETERANS ADMINISTRATION
MATHER AIR FORCE BASE, CALIFORNIA

FIG. 2



LEGEND

AUGUR REFUSAL LOCATION

3 SOIL BORING LOCATION/ BORING NUMBER

APPROX. SCALE

0 60 120 FT

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VACAVILLE, CA 95688 707-446-7996

JOB NUMBER:	DRAWN BY:	DATE:
11785	JWB	6/17/05
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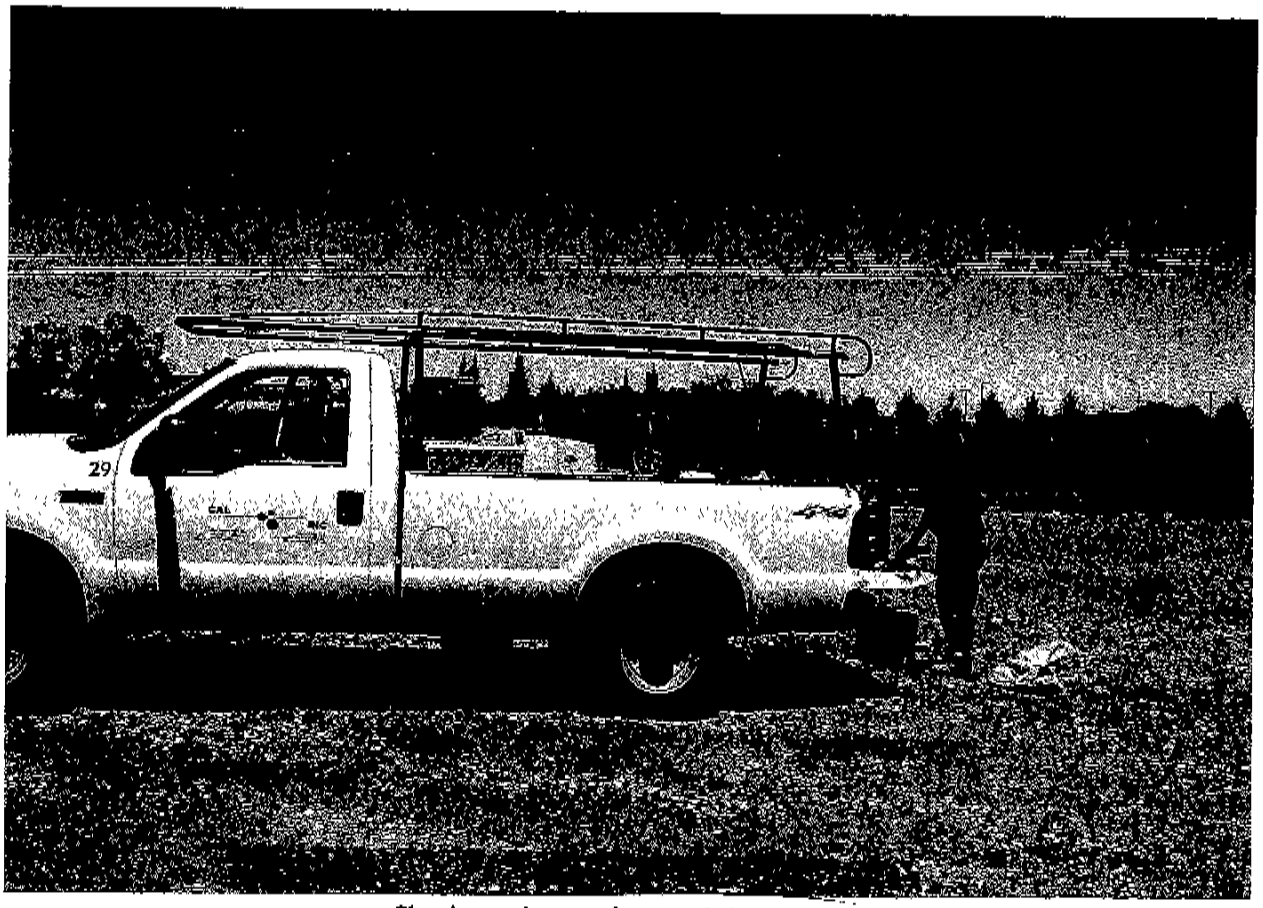
SOIL BORING LOCATIONS
PROPOSED EXTENDED CARE FACILITY
VETERANS ADMINISTRATION
MATHER AIRPORT, SACRAMENTO, CA

FIG. 3

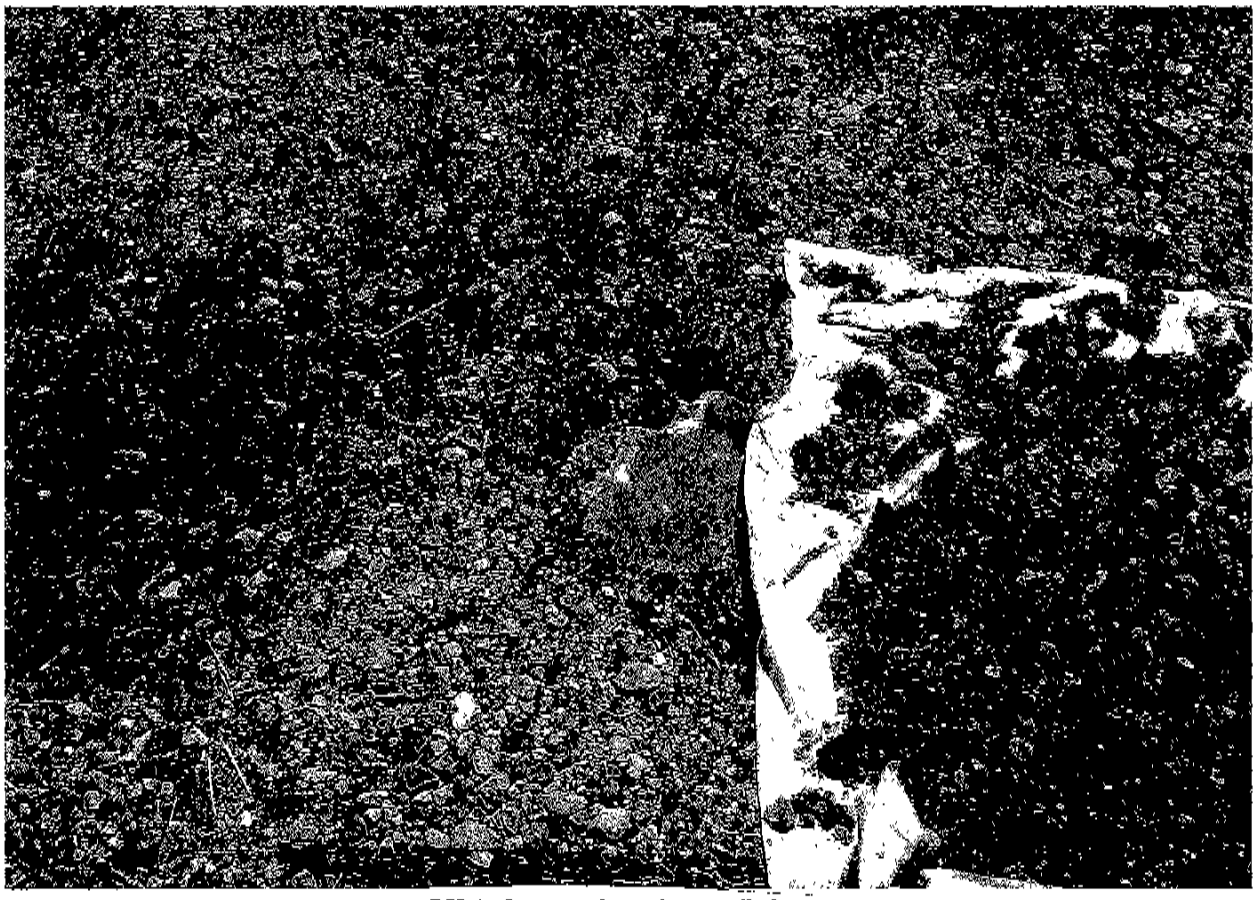


Cleaning equipment after completion of BH-5.

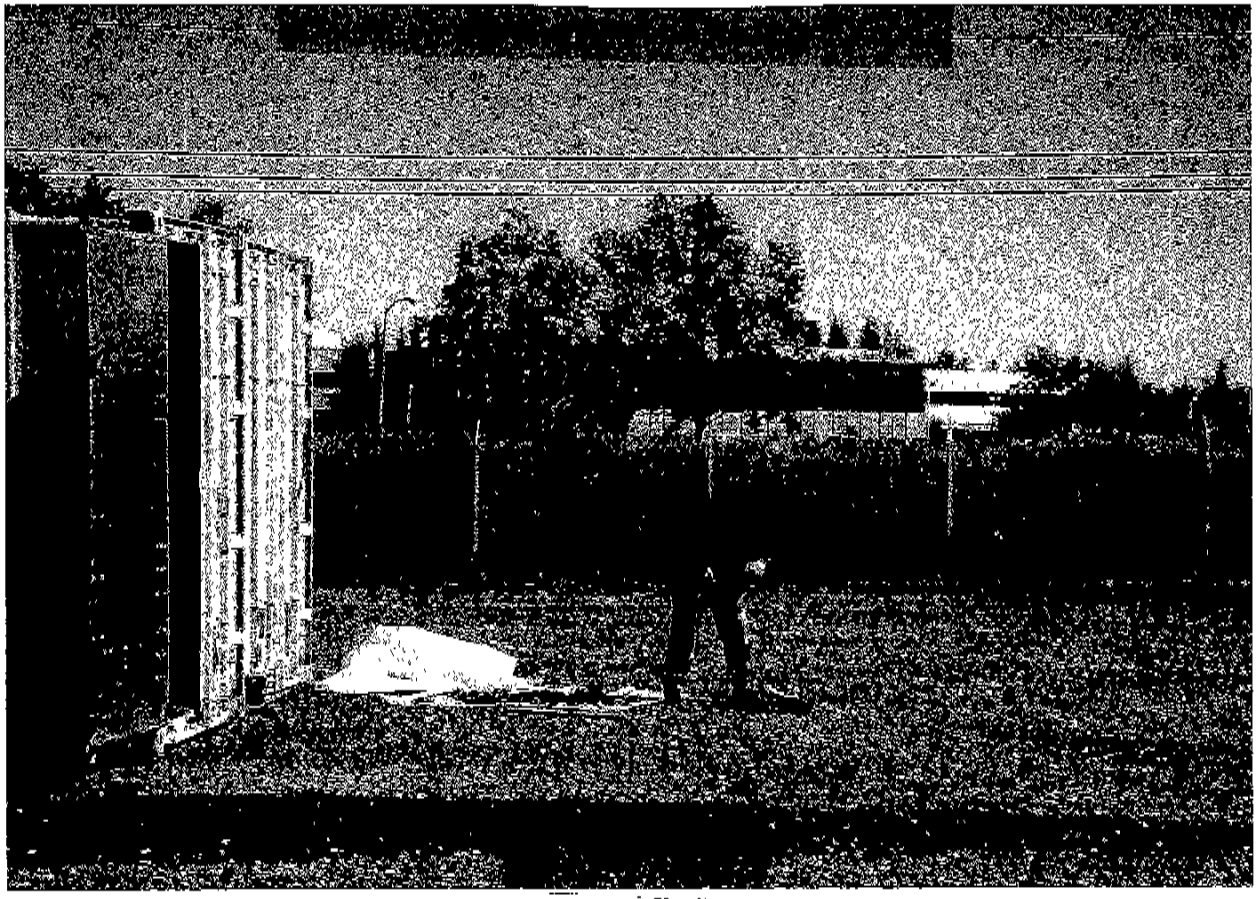
Looking northeast from center of site.

Final cleaning of equipment – looking northeast.

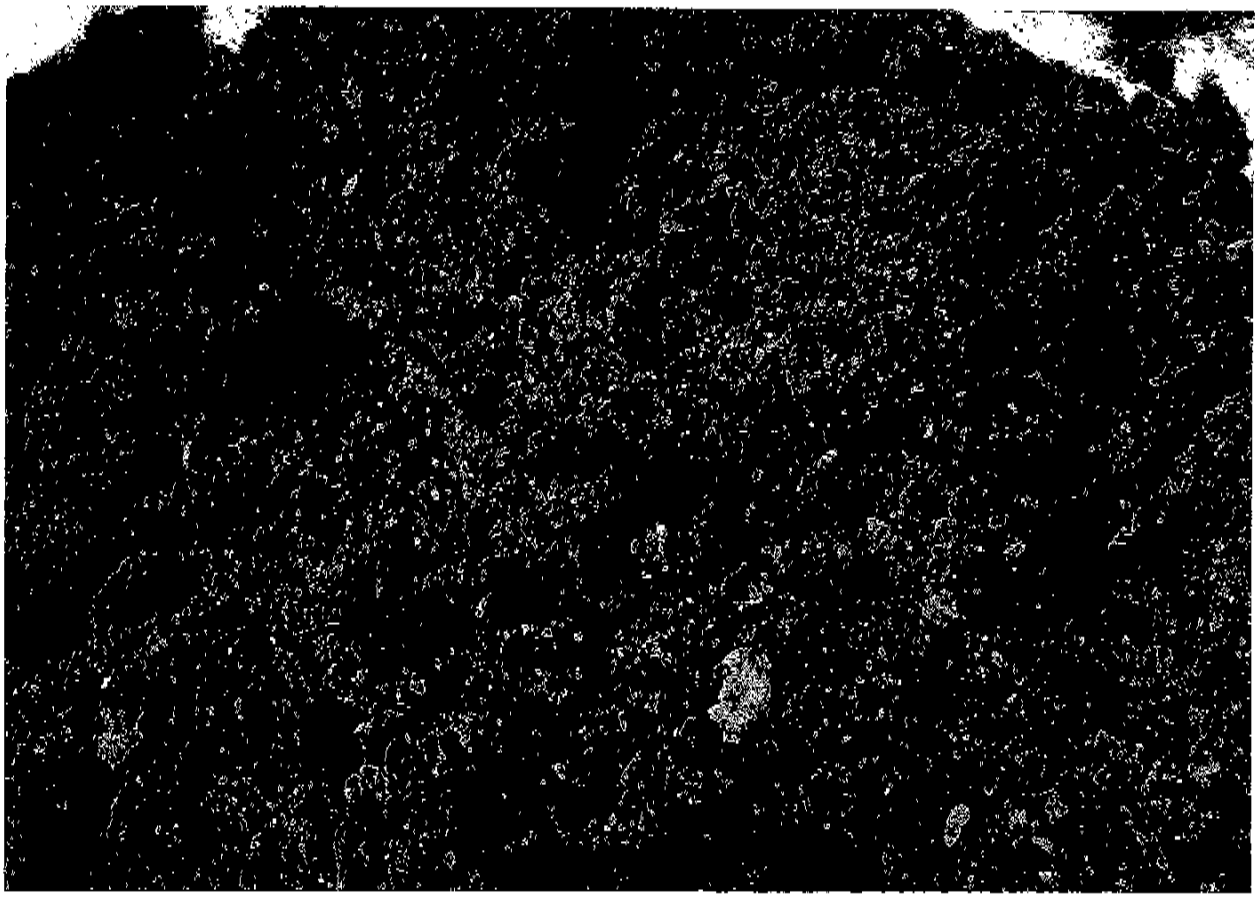
BH-5 after sample collection and prior to grout.



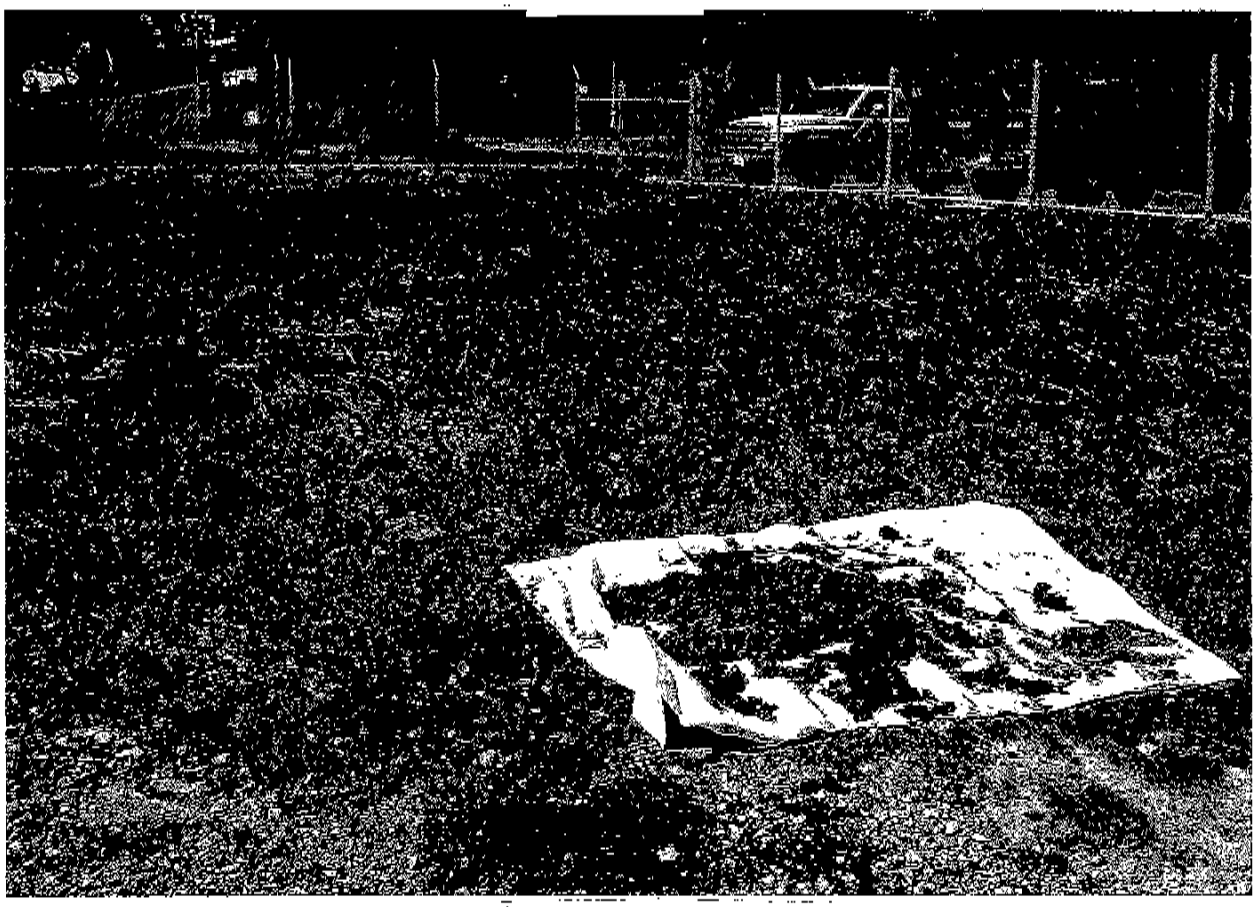
BH-4 after grout but prior to soil cleanup.



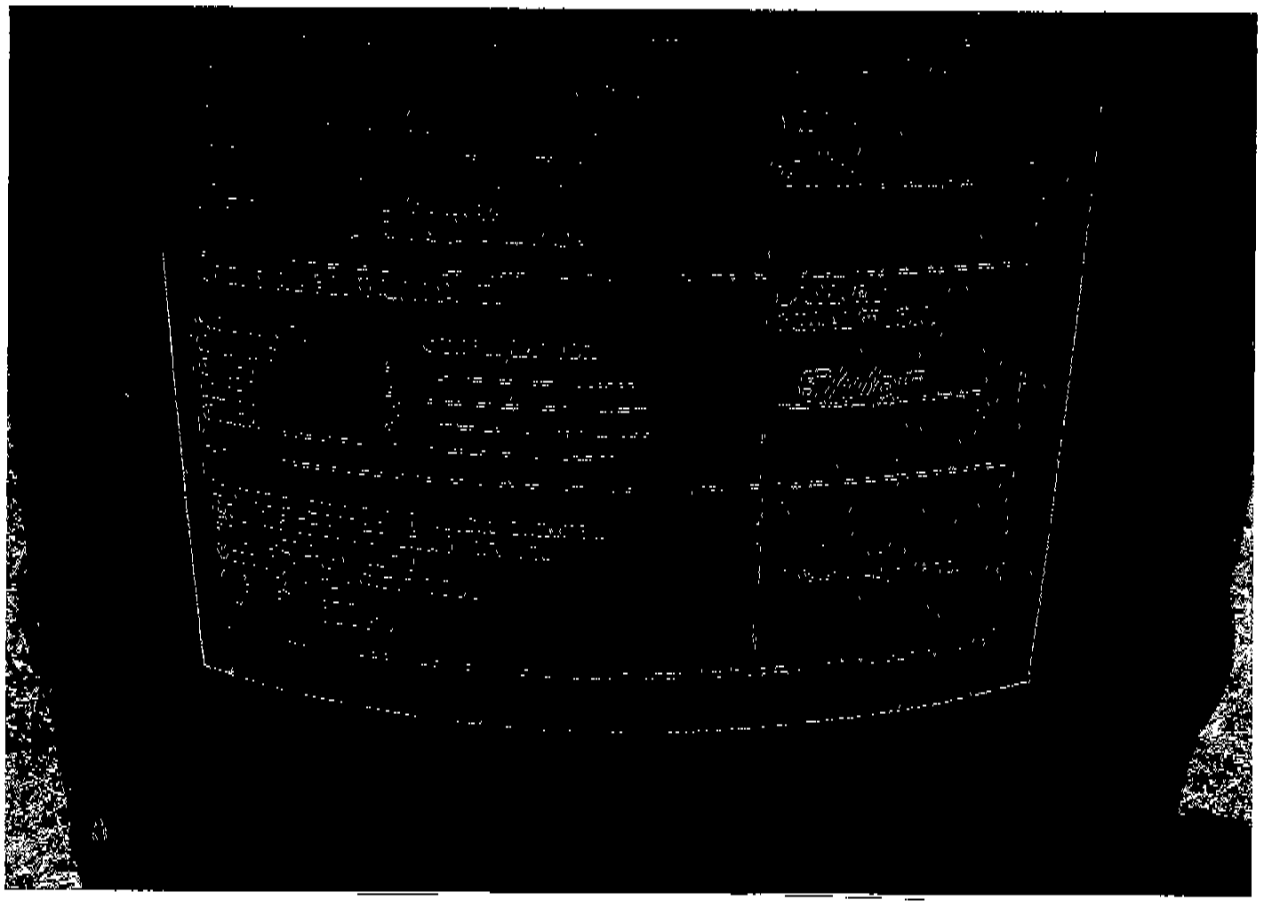
Drilling BH-2.



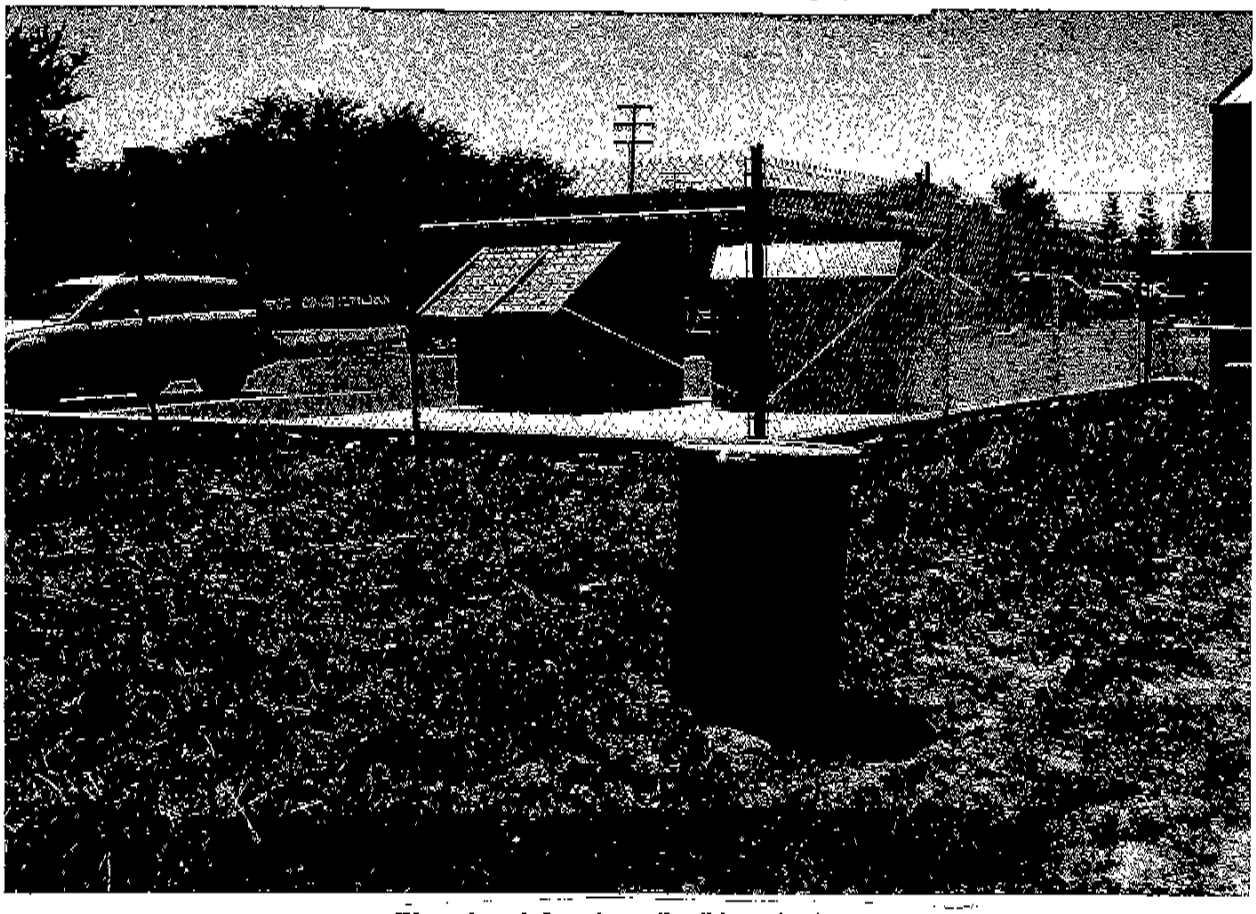
Soil from BH-1.



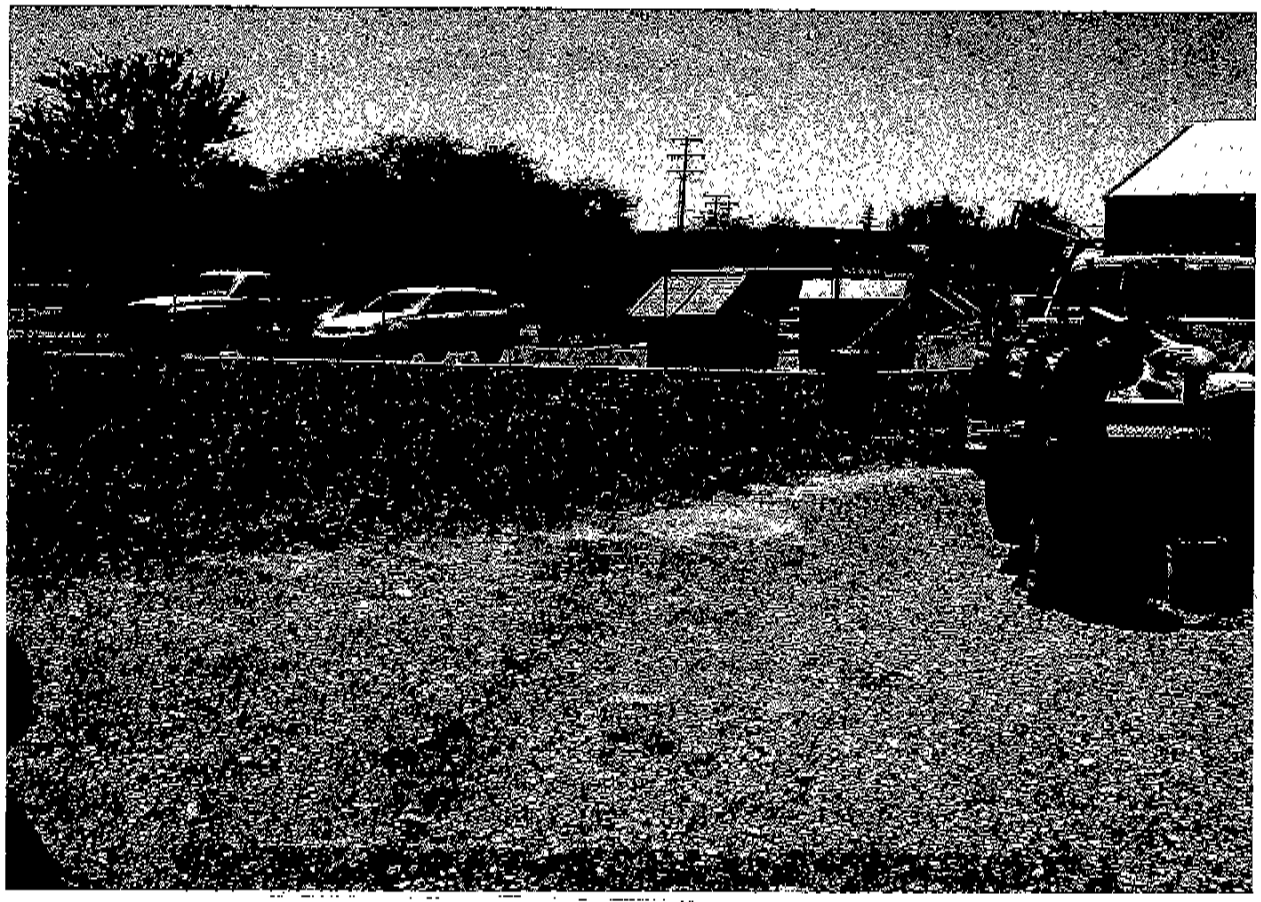
BH-1 prior to grout and cleanup.



Generator waste label on drum with soil and poly waste.



Waste drum left onsite until soil investigation is complete.



Final cleanup near BH-1. Waste drum in background at southwest corner.

AMERI SCI

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Job Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Sample: 001 BH-1-1'
Sampling Date: 20050511 Time: 9:50 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	97.7		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	100		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	105		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Ch[illegible]thane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Tri[illegible]rofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
[illegible]oroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	99.8		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	87.9		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	86.6		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	91.2		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	74.5		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	86.7		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	92.6		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	78.7		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	87.4		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	111		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.1	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	36	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	6.0	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	16	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	6.0	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	9.0	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	3.3	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	5	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	25	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	14	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 002 BH-1-5'
Sampling Date: 20050511 Time: 10:00 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
					00000000
Solid 8260B/5030B + GRO					
Dibromofluromethane (SU)	EPA Method 8260B	99.9		Percent	20050519
1,2-Dichlorethane (SU)	EPA Method 8260B	103		Percent	20050519

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

Toluene-d8 (SU)	EPA Method 8260B	108		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ed[illegible] butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
B[illegible]oform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
S[illegible]e	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
82[illegible]NA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	102		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	84.2		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	83.3		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	86.4		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	75.1		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	84.2		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	92.1		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	79.2		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
ect Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di- ylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PC 242	EPA Method 8082	<16	16	ug/kg	20050518
P 248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	86.6		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	110		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	48	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	5.0	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	14	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	5.0	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	13	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	<1	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	12	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 003 BH-2-1'
Sampling Date: 20050511 Time: 10:15
Matrix: SO

Receive Date: 20050513 Time: 9:45

Parameter	Method	Results	POL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluoromethane (SU)	EPA Method 8260B	102		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	101		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	110		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,[illegible]hloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n[illegible]lbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,[illegible]ibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	97.1		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	82.6		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	81.6		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	83.5		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	73.9		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	83.6		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	90.6		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	78.3		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4[illegible]trotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
B[illegible](k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
B[illegible]ic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

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bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pe[illegible]lorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	86.9		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	107		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.2	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	41	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	6.5	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	15	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	6.0	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
M[illegible]denum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
N[illegible], Solid	ICP, SW-846 Method 6010B	9.0	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	<3	3	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523

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Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	25	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	15	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 004 BH-2-5'
Sampling Date: 20050511 Time: 9:50 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	101		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	103		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	108		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Tr[illegible]rofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Tr[illegible]loroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
L[illegible]odichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

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Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3[illegible]imethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	107		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	90.9		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	90.3		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	92.9		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	80.2		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	90.6		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	94.8		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	83.9		Percent	20050519
1,[illegible]-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1[illegible]chlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

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2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-N[illegible]phenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
A[illegible]hthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
H[illegible]hlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
H[illegible]chlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	87.3		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	112		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.6	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	40	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	6.0	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	6.5	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	12	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	3.3	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	31	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	15	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 005 BH-3-1'
Sampling Date: 20050511 Time: 10:45 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	POL	Units	Analysis Date
S-VOC, 8260B/5030B + GRO					00000000
Bromofluoromethane (SU)	EPA Method 8260B	101		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	103		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	109		Percent	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Eth[illegible]-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,[illegible]richloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
S[illegible]ne	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	180	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	93.7		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	86.5		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	85.9		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	86.9		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	74.5		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	86.2		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	102		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	81.0		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4,6-Dinitro-2-methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519

Boston - Los Angeles - New York - Richmond
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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di[illegible]tyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	82.7		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	110		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.5	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	4.2	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	6.0	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	8.0	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	12	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	9.0	3	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	26	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	20	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 006 BH-3-5'
Sampling Date: 20050511 Time: 11:00 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	POL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	104		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	103		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	109		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	105		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	85.8		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	86.2		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	86.3		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	78.9		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	88.1		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	104		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	83.1		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	91.0		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	110		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	2.0	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	180	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	12	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	20	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	5.5	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	35	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	20	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 007 BH-4-1'
Sampling Date: 20050511 Time: 12:00 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	102		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	102		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	111		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	105		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	81.6		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	81.3		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	82.8		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	73.5		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	82.4		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	102		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	76.9		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2,3-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Ac[illegible]phthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Ac[illegible]phthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
[illegible]chlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	92.6		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	108		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	2.0	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	70	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	10	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	22	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	9.5	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	14	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	5.0	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	39	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	19	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 008 BH-4-5'
Sampling Date: 20050511 Time: 12:10
Matrix: SO
Receive Date: 20050513 Time: 9:45

Parameter	Method	Results	POL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	105		Percent	20050519
Dichloroethane (SU)	EPA Method 8260B	101		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	110		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,[illegible]hloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-[illegible]lene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
[illegible]2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	<50	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	106		Percent	20050519
2-[illegible]ophenol-d4 (Surr)	EPA 8270C, GC/MS	88.8		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	89.5		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	90.6		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	79.5		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	89.6		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	98.8		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	84.1		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-[illegible]thyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
[illegible]mophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di[illegible](a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

DCB (SURROGATE)	EPA Method 8081/8082	90.7		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	111		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.7	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	50	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	5.5	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	6.5	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	14	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	3.2	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	34	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	15	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 009 BH-5-1'
Sampling Date: 20050511 Time: 12:30 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	POL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	102		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	103		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	110		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
V[illegible] acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
I[illegible]opropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trimethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	130	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	97.7		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	93.7		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	92.9		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	95.3		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	81.6		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	89.0		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	109		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	84.6		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,3-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
1,4-Dichlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dichlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<0.66	0.66	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<1.6	1.6	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519

AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<0.66	0.66	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<1.6	1.6	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<0.33	0.33	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<0.33	0.33	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	76.2		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	110		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.4	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	38	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	6.0	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	17	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	7.0	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	10	1	mg/kg	20050523
[illegible] Solid	ICP, EPA SW-846 6010B	4.6	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

Vanadium, Solid	ICP, SW-846 Method 6010B	26	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	16	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

Sample: 010 BH-5-5'
Sampling Date: 20050511 Time: 12:40 Receive Date: 20050513 Time: 9:45
Matrix: SO

Parameter	Method	Results	PQL	Units	Analysis Date
Solid, 8260B/5030B + GRO					00000000
Dibromofluromethane (SU)	EPA Method 8260B	105		Percent	20050519
1,2-Dichloroethane (SU)	EPA Method 8260B	102		Percent	20050519
Toluene-d8 (SU)	EPA Method 8260B	110		Percent	20050519
Dichlorodifluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl chloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromomethane	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Chloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichlorofluoromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Acetone	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,1-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Butyl Alcohol (TBA)	EPA Method 8260B	<0.050	0.050	mg/kg	20050519
Methylene chloride	EPA Method 8260B	<0.025	0.025	mg/kg	20050519
Freon 113	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon disulfide	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
trans-1,2-Dichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Methyl-tert-butyl-ether	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Vinyl acetate	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
Di-Isopropyl Ether (DIPE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Butanone-(MEK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,2-Dichloroethylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chloroform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethyl-t-butyl ether (ETBE)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Carbon Tetrachloride	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Benzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
t-Amyl Methyl Ether (TAME)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromomethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Trichloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromodichloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chloroethylvinylether	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
cis-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Methyl-2-pentanone (MIBK)	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
trans-1,3-Dichloropropene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519

AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac.		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

1,1,2-Trichloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Toluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromoethane(EDB)	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Dibromochloromethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Hexanone	EPA Method 8260B	<0.02	0.02	mg/kg	20050519
Tetrachloroethene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,1,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Chlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Ethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
m,p-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromoform	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Styrene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
o-Xylene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,1,2,2-Tetrachloroethane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,3-Trichloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Isopropylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Bromobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Propylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
2-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
4-Chlorotoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3,5-Trimethylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
tert-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2[illegible]imethlybenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
sec-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,3-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,4-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
p-Isopropyltoluene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
n-Butylbenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2-Dibromo-3-chloropropane	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
1,2,4-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Naphthalene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Hexachlorobutadiene	EPA Method 8260B	<0.05	0.05	mg/kg	20050519
1,2,3-Trichlorobenzene	EPA Method 8260B	<0.01	0.01	mg/kg	20050519
Gasoline Range Organics	Volatile TPH by GC/MS	<0.50	0.50	mg/kg	20050519
Diesel Range Organic C8-C28	8015M, FID, Extractable	<20	20	mg/kg	20050519
Oil Range Organic C28-C40	8015M, FID, Extractable	110	50	mg/kg	20050519
8270 BNA, Solid					00000000
2,4,6-Tribromophenol (Surr)	EPA 8270C, GC/MS	117		Percent	20050519
2-Chlorophenol-d4 (Surr)	EPA 8270C, GC/MS	95.0		Percent	20050519
2-Fluorophenol (Surr)	EPA 8270C, GC/MS	84.9		Percent	20050519
Phenol-d5 (Surr)	EPA 8270C, GC/MS	94.6		Percent	20050519
1,2-Dichlorobenzene-d4 (Su)	EPA 8270C, GC/MS	79.8		Percent	20050519
2-Fluorobiphenyl (Surr)	EPA 8270C, GC/MS	97.9		Percent	20050519
4-Terphenyl-d14 (Surr)	EPA 8270C, GC/MS	123		Percent	20050519
Nitrobenzene-d5 (Surr)	EPA 8270C, GC/MS	77.7		Percent	20050519
1,2,4-Trichlorobenzene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
1,2-Dichlorobenzene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
1[illegible]ichlorobenzene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
1[illegible]ichlorobenzene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
2,4,5-Trichlorophenol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
2,4,6-Trichlorophenol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

2,4-Dichlorophenol	EPA 8270 Acid, Soil	<9	9	mg/Kg	20050519
2,4-Dimethylphenol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
2,4-Dinitrophenol	EPA 8270 Acid, Soil	<9	9	mg/Kg	20050519
2,4-Dinitrotoluene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
2,6-Dinitrotoluene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
2-Chloronaphthalene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
2-Chlorophenol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
2-MethylNaphthalene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
2-Methylphenol (o-Cresol)	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
2-Nitroaniline	EPA 8270 B/N, Soil	<9	9	mg/Kg	20050519
2-Nitrophenol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
3,3'-Dichlorbenzidine	EPA 8270 B/N, Soil	<4	4	mg/Kg	20050519
3-Nitroaniline	EPA 8270 B/N, Soil	<9	9	mg/Kg	20050519
2-Methyl-4,6-dinitrophenol	EPA 8270 Acid, Soil	<9	9	mg/Kg	20050519
4-Bromophenyl Phenyl Ether	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
4-Chloro-3-methylphenol (p-	EPA 8270 Acid, Soil	<4	4	mg/Kg	20050519
4-Chloroaniline	EPA 8270 B/N, Soil	<4	4	mg/Kg	20050519
4-Chlorophenyl Phenyl Ether	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
2&4-Methylphenol(m&p-Cresol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
4-Nitroaniline	EPA 8270 B/N, Soil	<9	9	mg/Kg	20050519
4-Nitrophenol	EPA 8270 Acid, Soil	<9	9	mg/Kg	20050519
Acenaphthene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Acenaphthylene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Anthracene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Benzidine	EPA 8270 B/N, Soil	<9	9	mg/Kg	20050519
Benzo(a)anthracene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Benzo(a)pyrene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Benzo(b)fluoranthene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Benzo (g,h,i) perylene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Benzo(k)fluoranthene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Benzoic Acid	EPA 8270 B/N, Soil	<9	9	mg/Kg	20050519
Benzyl Alcohol	EPA 8270 B/N, Soil	<4	4	mg/Kg	20050519
Bis-(2-Chloroethoxy)methane	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
bis(2-Chloroethyl)ether	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
bis(2-Chloroisopropyl)ether	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
bis(2-Ethylhexyl)phthalate	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Butyl Benzyl Phthalate	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Chrysene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Di-n-butylphthalate	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Di-n-octyl phthalate	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Dibenzo(a,h)Anthracene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Dibenzofuran	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Diethyl Phthalate	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Dimethyl Phthalate	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Fluoranthene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Fluorene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Hexachlorobenzene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Hexachlorobutadiene	EPA 8270 B/N, Soil	<4	4	mg/Kg	20050519
Hexachlorocyclopentadiene	EPA 8270 B/N, Soil	<4	4	mg/Kg	20050519
Hexachloroethane	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Indeno (1,2,3-cd)Pyrene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Isophorone	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
N-Nitroso-di-n-propylamine	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519

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AmeriSci Work Order #:	20050500025	Customer:	CAL INC
Project Name:	VA Mather Extended Care Fac,		2040 Peabody Road
Client Project #:	Mather Airport, CA		Suite 400
Location:			Vacaville, CA 95687
Project Manager:		Attention:	Karen Willing
Project Tel #:		Tel #:	7074467996
Project Fax #:		Fax #:	7074464906

N-Nitrosodiphenylamine	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Naphthalene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Nitrobenzene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Pentachlorophenol	EPA 8270 Acid, Soil	<9	9	mg/Kg	20050519
Phenanthrene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
Phenol	EPA 8270 Acid, Soil	<2	2	mg/Kg	20050519
Pyrene	EPA 8270 B/N, Soil	<2	2	mg/Kg	20050519
PCBs, Solids					00000000
PCB-1016	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1221	EPA Method 8082	<33	33	ug/kg	20050518
PCB-1232	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1242	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1248	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1254	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1260	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1262	EPA Method 8082	<16	16	ug/kg	20050518
PCB-1268	EPA Method 8082	<16	16	ug/kg	20050518
DCB (SURROGATE)	EPA Method 8081/8082	80.7		Percent	20050518
TCMX (SURROGATE)	EPA Method 8081/8082	113		Percent	20050518
Title 22 Metals, Solid					00000000
Silver, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Arsenic, Solid	ICP, SW-846 Method 6010B	1.6	1	mg/kg	20050523
Barium, Solid	ICP, SW-846 Method 6010B	42	1	mg/kg	20050523
Beryllium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cadmium, Solid	ICP, SW-846 Method 6010B	<0.5	0.5	mg/kg	20050523
Cobalt, Solid	ICP, SW-846 Method 6010B	6.5	1	mg/kg	20050523
Chromium, Solid	ICP, SW-846 Method 6010B	18	1	mg/kg	20050523
Copper, Solid	ICP, SW-846 Method 6010B	8.0	1	mg/kg	20050523
Mercury, Solid, Cold Vapor	AA, SW-846 Method 7471	<0.05	0.05	mg/kg	20050523
Molybdenum, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Nickel, Solid	ICP, SW-846 Method 6010B	13	1	mg/kg	20050523
Lead, Solid	ICP, EPA SW-846 6010B	3.8	1	mg/kg	20050523
Antimony, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Selenium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Thallium, Solid	ICP, SW-846 Method 6010B	<1	1	mg/kg	20050523
Vanadium, Solid	ICP, SW-846 Method 6010B	30	1	mg/kg	20050523
Zinc, Solid	ICP, SW-846 Method 6010B	16	1	mg/kg	20050523
Acid Digestion, Solid	SW-846, 3050	05/19/2005		DATE	20050519
Mercury Digestion, Solid	EPA SW-846 Method 7471A	05/18/2005		DATE	20050518

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AmeriSci Work Order #: 20050500025
Project Name: VA Mather Extended Care Fac.
Client Project #: Mather Airport, CA
Location:
Project Manager:
Project Tel #:
Project Fax #:

Customer: CAL INC
2040 Peabody Road
Suite 400
Vacaville, CA 95687
Attention: Karen Willing
Tel #: 7074467996
Fax #: 7074464906

Subcontracted analyses performed by ATL, DHS#1838.

PQL = Minimum Practical Quantitation Limit.

Clifton J. Kiser, Laboratory Director

The analytical results within this report relate only to the specific compounds and samples investigated and may not necessarily reflect other apparently similar material from the same or a similar location.
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CAL ENVIRONMENTAL SERVICES INC

CHAIN OF CUSTODY

PROJECT NAME AND DESCRIPTION: VA MATHER - EXTENDED CARE FACILITY (11789)

PROJECT LOCATION: MATHER AIRPORT, CA

SAMPLING CREW: KAREN WILLING / DONALD VASQUEZ

12 °C

Sample ID	Sample Type	Container No. / Type	Pres.	Date / Time	TPH-GC-FID Extractable	EPA 8260B	EPA 8270C	PCBs	TTLC Cam 17					Comments
BH-1-1'	SOIL	TUBE	N/A	5/11/05 0900	X	X	X	X	X					
BH-1-5'	SOIL	TUBE	N/A	5/11/05 1000	X	X	X	X	X					Regular
BH-2-1'	SOIL	TUBE	N/A	5/11/05 1015	X	X	X	X	X					T.A.T.
BH-2-5'	SOIL	TUBE	N/A	5/11/05 1025	X	X	X	X	X					(5-10 DAYS)
BH-3-1'	SOIL	TUBE	N/A	5/11/05 1045	X	X	X	X	X					Please Fax
BH-3-5'	SOIL	TUBE	N/A	5/11/05 1100	X	X	X	X	X					Results
BH-4-1'	SOIL	TUBE	N/A	5/11/05 1200	X	X	X	X	X					
BH-4-5'	SOIL	TUBE	N/A	5/11/05 1210	X	X	X	X	X					
BH-5-1'	SOIL	TUBE	N/A	5/11/05 1230	X	X	X	X	X					
BH-5-5'	SOIL	TUBE	N/A	5/11/05 1240	X	X	X	X	X					

Please Deliver Analytical Results To:

Project Manager: [redacted] JOE KROHN
CAL INC
2040 Peabody Road, Suite 400
Vacaville, California 95687
(707) 446-7996
(707) 446-4906 Fax

LABORATORY NAME AND ADDRESS

AMERISCI LOS ANGELES

CHAIN OF CUSTODY RECORD

Relinquished By:	Date/Time
Karen CALIN	0900 5/12/05
Received By:	**Date/Time**
[illegible]	05/13/05 @ 09:45
Relinquished By:	**Date/Time**
Received By:	**Date/Time**

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where nc PRG < 100X ca PRG) ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES												CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. scis	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.7E-03	i	4.0E-03	i	8.7E-03	r	4.0E-03	r		0.1	30560-19-1	Acephate	5.6E+01	ca**	2.0E+02	ca*	7.7E-01	ca*	7.7E+00	ca*		
				7.7E-03	i	2.8E-03	i	y		75-07-0	Acetaldehyde	1.1E+01	ca**	2.3E+01	ca**	8.7E-01	ca*	1.7E+00	ca		
		2.0E-02	i			2.0E-02	r		0.1	34256-82-1	Acetochlor	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		9.0E-01	i			9.0E-01	r	y		67-64-1	Acetone	1.4E+04	nc	5.4E+04	nc	3.3E+03	nc	5.5E+03	nc	1.8E+01	8.0E-01
		8.0E-04	h			8.0E-04	r		0.1	75-86-5	Acetone cyanohydrin	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
		1.7E-02	r			1.7E-02	r	y		75-05-8	Acetonitrile	4.2E+02	nc	1.8E+03	nc	6.2E+01	nc	1.0E+02	nc		
		5.0E-04	i			5.7E-06	i	y		107-02-8	Acrolein	1.0E-01	nc	3.4E-01	nc	2.1E-02	nc	4.2E-02	nc		
4.5E+00	i	2.0E-04	i	4.5E+00	i	2.0E-04	r		0.1	79-06-1	Acrylamide	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca		
		5.0E-01	i			2.9E-04	i		0.1	79-10-7	Acrylic acid	2.9E+04	nc	1.0E+05	max	1.0E+00	nc	1.8E+04	nc		
5.4E-01	i	1.0E-03	h	2.4E-01	i	5.7E-04	i	y		107-13-1	Acrylonitrile	2.1E-01	ca*	4.9E-01	ca*	2.8E-02	ca*	3.9E-02	ca*		
1.0E+00	r			1.0E+00	c			y			"CAL-Modified PRG"	5.5E-02	ca	1.2E-01	ca	6.7E-03	ca	1.1E-02	ca		
8.1E-02	h	1.0E-02	i	8.0E-02	r	1.0E-02	r		0.1	15972-60-8	Alachlor	6.0E+00	ca	2.1E+01	ca	8.4E-02	ca	8.4E-01	ca		
		1.5E-01	i			1.5E-01	r		0.1	1596-84-5	Alar	9.2E+03	nc	9.2E+04	nc	5.5E+02	nc	5.5E+03	nc		
		1.0E-03	i			1.0E-03	r		0.1	116-06-3	Aldicarb	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E-03	i			1.0E-03	r		0.1	1646-88-4	Aldicarb sulfone	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
1.7E+01	i	3.0E-05	i	1.7E+01	i	3.0E-05	r		0.1	309-00-2	Aldrin	2.9E-02	ca*	1.0E-01	ca	3.9E-04	ca	4.0E-03	ca	5.0E-01	2.0E-02
		2.5E-01	i			2.5E-01	r		0.1	74223-64-6	Ally	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		5.0E-03	i			5.0E-03	r		0.1	107-18-6	Allyl alcohol	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.9E-04	r			2.9E-04	i		0.1	107-05-1	Allyl chloride	1.7E+01	nc	1.8E+02	nc	1.0E+00	nc	1.0E+01	nc		
		1.0E+00	p			1.4E-03	p			7429-90-5	Aluminum	7.6E+04	nc	1.0E+05	max	5.1E+00	nc	3.6E+04	nc		
		4.0E-04	i							20859-73-8	Aluminum phosphide	3.1E+01	nc	4.1E+02	nc			1.5E+01	nc		
		3.0E-04	i			3.0E-04	r		0.1	67485-29-4	Amdro	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		9.0E-03	i			9.0E-03	r		0.1	834-12-8	Ametryn	5.5E+02	nc	5.5E+03	nc	3.3E+01	nc	3.3E+02	nc		
		2.0E-04	n			2.0E-04	r		0.1	1321-12-6	Aminodinitrotoluene	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
		7.0E-02	h			7.0E-02	r		0.1	591-27-5	m-Aminophenol	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		2.0E-05	h			2.0E-05	r		0.1	504-24-5	4-Aminopyridine	1.2E+00	nc	1.2E+01	nc	7.3E-02	nc	7.3E-01	nc		
		2.5E-03	i			2.5E-03	r		0.1	33089-61-1	Amitraz	1.5E+02	nc	1.5E+03	nc	9.1E+00	nc	9.1E+01	nc		
						2.9E-02	i			7664-41-7	Ammonia					1.0E+02	nc				
		2.0E-01	i						0.1	7773-06-0	Ammonium sulfamate	1.2E+04	nc	1.0E+05	max			7.3E+03	nc		
5.7E-03	i	7.0E-03	p	5.7E-03	r	2.9E-04	i		0.1	62-53-3	Aniline	8.5E+01	ca**	3.0E+02	ca*	1.0E+00	nc	1.2E+01	ca*		
		4.0E-04	i							7440-36-0	Antimony and compounds	3.1E+01	nc	4.1E+02	nc			1.5E+01	nc	5.0E+00	3.0E-01
		1.3E-02	i			1.3E-02	r		0.1	74115-24-5	Apollo	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
2.5E-02	i	5.0E-02	h	2.5E-02	i	5.0E-02	r		0.1	140-57-8	Aramite	1.9E+01	ca	6.9E+01	ca	2.7E-01	ca	2.7E+00	ca		
1.5E+00	i	3.0E-04	i	1.5E+01	i				0.03	7440-38-2	Arsenic	3.9E-01	ca*	1.6E+00	ca	4.5E-04	ca	4.5E-02	ca	2.9E+01	1.0E+00
9.5E+00	c			1.2E+01	c				0.03		"CAL-Modified PRG"	6.2E-02	ca	2.5E-01	ca	5.6E-04	ca	7.1E-03	ca		
						1.4E-05	i			7784-42-1	Arsine (see arsenic for cancer endpoint)					5.2E-02	nc				
		9.0E-03	i			9.0E-03	r		0.1	76578-14-8	Assure	5.5E+02	nc	5.5E+03	nc	3.3E+01	nc	3.3E+02	nc		
		5.0E-02	i			5.0E-02	r		0.1	3337-71-1	Asulam	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
2.2E-01	h	3.5E-02	i	2.2E-01	r	3.5E-02	r		0.1	1912-24-9	Atrazine	2.2E+00	ca	7.8E+00	ca	3.1E-02	ca	3.0E-01	ca		
		4.0E-04	i			4.0E-04	r		0.1	71751-41-2	Avermectin B1	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		
1.1E-01	i			1.1E-01	i				0.1	103-33-3	Azobenzene	4.4E+00	ca	1.6E+01	ca	6.2E-02	ca	6.1E-01	ca		
		7.0E-02	i			1.4E-04	h			7440-39-3	Barium and compounds	5.4E+03	nc	6.7E+04	nc	5.2E-01	nc	2.8E+03	nc	1.6E+03	8.2E+01

Key: SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG) ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		4.0E-03	i			4.0E-03	r		0.1	114-26-1	Baygon	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		3.0E-02	i			3.0E-02	r		0.1	43121-43-3	Bayleton	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r		0.1	68359-37-5	Baythroid	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-01	h			3.0E-01	r		0.1	1861-40-1	Benefin	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		5.0E-02	i			5.0E-02	r		0.1	17804-35-2	Benomyl	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		3.0E-02	i			3.0E-02	r		0.1	25057-89-0	Bentazon	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		1.0E-01	i			1.0E-01	r		0.1	100-52-7	Benzaldehyde	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
5.5E-02	i	4.0E-03	i	2.7E-02	i	8.6E-03	i	y		71-43-2	Benzene	6.4E-01	ca*	1.4E+00	ca*	2.5E-01	ca	3.5E-01	ca	3.0E-02	2.0E-03
2.3E+02	i	3.0E-03	i	2.3E+02	i	3.0E-03	r		0.1	92-87-5	Benzidine	2.1E-03	ca	7.5E-03	ca	2.9E-05	ca	2.9E-04	ca		
		4.0E+00	i			4.0E+00	r		0.1	65-85-0	Benzoic acid	1.0E+05	max	1.0E+05	max	1.5E+04	nc	1.5E+05	nc	4.0E+02	2.0E+01
1.0E+01	i			1.3E+01	i		r		0.1	98-07-7	Benzotrichloride	3.7E-02	ca	1.3E-01	ca	5.2E-04	ca	5.2E-03	ca		
		3.0E-01	h			3.0E-01	r		0.1	100-51-6	Benzyl alcohol	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
1.7E-01	i	2.9E-03	r	1.7E-01	i	2.9E-03	n	y		100-44-7	Benzyl chloride	8.9E-01	ca*	2.2E+00	ca	4.0E-02	ca	6.6E-02	ca		
		2.0E-03	i	8.4E+00	i	5.7E-06	i			7440-41-7	Beryllium and compounds	1.5E+02	nc	1.9E+03	ca**	8.0E-04	ca*	7.3E+01	nc	6.3E+01	3.0E+00
		1.0E-04	i			1.0E-04	r		0.1	141-66-2	Bidrin	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.5E-02	i			1.5E-02	r		0.1	82657-04-3	Biphenthrin (Talstar)	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		5.0E-02	i			5.0E-02	r	y		92-52-4	1,1-Biphenyl	3.0E+03	nc	2.3E+04	nc	1.8E+02	nc	3.0E+02	nc		
1.1E+00	i			1.1E+00	i			y		111-44-4	Bis(2-chloroethyl)ether	2.2E-01	ca	5.8E-01	ca	6.1E-03	ca	1.0E-02	ca	4.0E-04	2.0E-05
7.0E-02	x	4.0E-02	i	3.5E-02	x	4.0E-02	r	y		108-60-1	Bis(2-chloroisopropyl)ether	2.9E+00	ca	7.4E+00	ca	1.9E-01	ca	2.7E-01	ca		
2.2E+02	i			2.2E+02	i			y		542-88-1	Bis(chloromethyl)ether	1.9E-04	ca	4.3E-04	ca	3.1E-05	ca	5.2E-05	ca		
7.0E-02	x	4.0E-02	i	3.5E-02	x	4.0E-02	r	y		506-60-1	Bis(2-chloro-1-methylethyl)ether	2.9E+00	ca	7.4E+00	ca	1.9E-01	ca	2.7E-01	ca		
1.4E-02	i	2.0E-02	i	1.4E-02	r	2.0E-02	r		0.1	117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	3.5E+01	ca*	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		5.0E-02	i			5.0E-02	r		0.1	80-05-7	Bisphenol A	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		2.00E-01	i			5.7E-03	h			7440-42-8	Boron	1.6E+04	nc	1.0E+05	max	2.1E+01	nc	7.3E+03	nc		
						2.0E-04	h			7637-07-2	Boron trifluoride					7.3E-01	nc				
7.0E-01	i	4.0E-03	i	7.0E-01	r	4.0E-03	r		0.1	15541-45-4	Bromate	6.9E-01	ca	2.5E+00	ca	9.6E-03	ca	9.6E-02	ca		
		2.0E-02	p			2.9E-03	p	y		108-86-1	Bromobenzene	2.8E+01	nc	9.2E+01	nc	1.0E+01	nc	2.0E+01	nc		
6.2E-02	i	2.0E-02	i	6.2E-02	r	2.0E-02	r	y		75-27-4	Bromodichloromethane	8.2E-01	ca	1.8E+00	ca	1.1E-01	ca	1.8E-01	ca	6.0E-01	3.0E-02
7.9E-03	i	2.0E-02	i	3.9E-03	i	2.0E-02	r		0.1	75-25-2	Bromoform (tribromomethane)	6.2E+01	ca*	2.2E+02	ca*	1.7E+00	ca*	8.5E+00	ca*	8.0E-01	4.0E-02
		1.4E-03	i			1.4E-03	i	y		74-83-9	Bromomethane (Methyl bromide)	3.9E+00	nc	1.3E+01	nc	5.2E+00	nc	8.7E+00	nc	2.0E-01	1.0E-02
		5.0E-03	h			5.0E-03	r		0.1	2104-96-3	Bromophos	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	i			2.0E-02	r		0.1	1689-84-5	Bromoxynil	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	i			2.0E-02	r		0.1	1689-99-2	Bromoxynil octanoate	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
1.1E-01	r	5.7E-04	r	1.1E-01	i	5.7E-04	i	y		106-99-0	1,3-Butadiene	5.8E-02	ca*	1.2E-01	ca*	6.1E-02	ca*	1.0E-01	ca*		
6.0E-01	r	5.7E-03	r	6.0E-01	c	5.7E-03	c	y		106-99-0	"CAL-Modified PRG"	1.1E-02	ca	2.3E-02	ca	1.1E-02	ca	1.9E-02	ca		
		1.0E-01	i			2.6E-03	n		0.1	71-36-3	1-Butanol	6.1E+03	nc	6.1E+04	nc	9.5E+00	nc	3.6E+03	nc	1.7E+01	9.0E-01
		5.0E-02	i			5.0E-02	r		0.1	2008-41-5	Butylate	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-02	n			4.0E-02	r	y		104-51-8	n-Butylbenzene	2.4E+02	sat	2.4E+02	sat	1.5E+02	nc	2.4E+02	nc		
		4.0E-02	n			4.0E-02	r	y		135-98-8	sec-Butylbenzene	2.2E+02	sat	2.2E+02	sat	1.5E+02	nc	2.4E+02	nc		
		4.0E-02	n			4.0E-02	r	y		98-06-6	tert-Butylbenzene	3.9E+02	sat	3.9E+02	sat	1.5E+02	nc	2.4E+02	nc		
		2.0E-01	i			2.0E-01	r		0.1	85-68-7	Butyl benzyl phthalate	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc	9.3E+02	8.1E+02
		1.0E+00	i			1.0E+00	r		0.1	85-70-1	Butylphthalyl butylglycolate	6.1E+04	nc	1.0E+05	max	3.7E+03	nc	3.6E+04	nc		

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where: nc PRG < 100X ca PRG) ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		5.0E-04	i	6.3E+00	i				0.001	7440-43-9	Cadmium and compounds	3.7E+01	nc	4.5E+02	nc	1.1E-03	ca	1.8E+01	nc	8.0E+00	4.0E-01
		5.0E-01	i			5.0E-01	r		0.1	105-60-2	Caprolactam	3.1E+04	nc	1.0E+05	max	1.8E+03	nc	1.8E+04	nc		
8.6E-03	h	2.0E-03	i	8.6E-03	r	2.0E-03	r		0.1	2425-06-1	Captafol	5.7E+01	ca**	2.0E+02	ca**	7.8E-01	ca**	7.8E+00	ca**		
3.5E-03	h	1.3E-01	i	3.5E-03	r	1.3E-01	r		0.1	133-06-2	Captan	1.4E+02	ca*	4.9E+02	ca	1.9E+00	ca	1.9E+01	ca		
		1.0E-01	i			1.1E-01	r		0.1	63-25-2	Carbaryl	6.1E+03	nc	6.2E+04	nc	4.0E+02	nc	3.6E+03	nc		
2.0E-02	h			2.0E-02	r				0.1	86-74-8	Carbazole	2.4E+01	ca	8.6E+01	ca	3.4E-01	ca	3.4E+00	ca	6.0E-01	3.0E-02
		5.0E-03	i			5.0E-03	r		0.1	1563-66-2	Carbofuran	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		1.0E-01	i			2.0E-01	i	y		75-15-0	Carbon disulfide	3.6E+02	nc	7.2E+02	sat	7.3E+02	nc	1.0E+03	nc	3.2E+01	2.0E+00
1.3E-01	i	7.0E-04	i	5.3E-02	i	7.0E-04	r	y		56-23-5	Carbon tetrachloride	2.5E-01	ca**	5.5E-01	ca*	1.3E-01	ca*	1.7E-01	ca*	7.0E-02	3.0E-03
		1.0E-02	i			1.0E-02	r		0.1	55285-14-8	Carbosulfan	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		1.0E-01	i			1.0E-01	r		0.1	5234-68-4	Carboxin	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		1.5E-02	i			1.5E-02	r		0.1	133-90-4	Chloramben	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
4.0E-01	h			4.0E-01	r				0.1	118-75-2	Chloranil	1.2E+00	ca	4.3E+00	ca	1.7E-02	ca	1.7E-01	ca		
3.5E-01	i	5.0E-04	i	3.5E-01	i	2.0E-04	i		0.04	12789-03-6	Chlordane (technical)	1.6E+00	ca*	6.5E+00	ca*	1.9E-02	ca*	1.9E-01	ca*	1.0E+01	5.0E-01
		2.0E-02	i			2.0E-02	r		0.1	90982-32-4	Chlorimuron-ethyl	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.0E-01	i			5.7E-05	n			7782-50-5	Chlorine					2.1E-01	nc				
		3.0E-02	i			5.7E-05	i			10049-04-4	Chlorine dioxide					2.1E-01	nc				
		2.0E-03	h			2.0E-03	r		0.1	79-11-8	Chloroacetic acid	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		8.6E-06	r			8.6E-03	i	y		532-27-4	2-Chloroacetophenone	3.3E-02	nc	1.1E-01	nc	3.1E-02	nc	5.2E-02	nc		
		4.0E-03	i			4.0E-03	r		0.1	106-47-8	4-Chloroaniline	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc	7.0E-01	3.0E-02
		2.0E-02	i			1.7E-02	n	y		108-90-7	Chlorobenzene	1.5E+02	nc	5.3E+02	nc	6.2E+01	nc	1.1E+02	nc	1.0E+00	7.0E-02
2.7E-01	h	2.0E-02	i	2.7E-01	h	2.0E-02	r		0.1	510-15-6	Chlorobenzilate	1.8E+00	ca	6.4E+00	ca	2.5E-02	ca	2.5E-01	ca		
		2.0E-01	h			2.0E-01	r		0.1	74-11-3	p-Chlorobenzoic acid	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		2.0E-02	h			2.0E-02	r		0.1	98-56-6	4-Chlorobenzotrifluoride	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	h			2.0E-03	h	y		126-99-8	2-Chloro-1,3-butadiene	3.6E+00	nc	1.2E+01	nc	7.3E+00	nc	1.4E+01	nc		
		4.0E-01	h			4.0E-01	r	y		109-69-3	1-Chlorobutane	4.8E+02	sat	4.8E+02	sat	1.5E+03	nc	2.4E+03	nc		
		1.4E+01	r			1.4E+01	i	y		75-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)	3.4E+02	sat	3.4E+02	sat	5.2E+04	nc	8.7E+04	nc		
		1.4E+01	r			1.4E+01	i	y		75-45-6	Chlorodifluoromethane	3.4E+02	sat	3.4E+02	sat	5.1E+04	nc	8.5E+04	nc		
2.9E-03	n	4.0E-01	n	2.9E-03	r	2.9E+00	i	y		75-00-3	Chloroethane	3.0E+00	ca	6.5E+00	ca	2.3E+00	ca	4.8E+00	ca		
		1.0E-02	i	8.1E-02	i	1.4E-02	n	y		67-66-3	Chloroform	2.2E-01	ca	4.7E-01	ca	8.3E-02	ca	1.7E-01	ca	6.0E-01	3.0E-02
3.1E-02	c			1.9E-02	c			y			"CAL-Modified PRG"	9.4E-01	ca	2.0E+00	ca	3.5E-01	ca	5.3E-01	ca		
		2.6E-02	r			2.6E-02	i	y		74-87-3	Chloromethane (methyl chloride)	4.7E+01	nc	1.6E+02	nc	9.5E+01	nc	1.6E+02	nc		
5.8E-01	h			5.8E-01	r				0.1	95-69-2	4-Chloro-2-methylaniline	8.4E-01	ca	3.0E+00	ca	1.2E-02	ca	1.2E-01	ca		
4.6E-01	h			4.6E-01	r				0.1	3165-93-3	4-Chloro-2-methylaniline hydrochloride	1.1E+00	ca	3.7E+00	ca	1.5E-02	ca	1.5E-01	ca		
		8.0E-02	i			8.0E-02	r	y		91-58-7	beta-Chloronaphthalene	4.9E+03	nc	2.3E+04	nc	2.9E+02	nc	4.9E+02	nc		
9.7E-03	p	1.0E-03	p	9.7E-03	r	2.0E-05	p	y		88-73-3	o-Chloronitrobenzene	1.4E+00	nc**	4.5E+00	nc**	7.3E-02	nc**	1.5E-01	nc**		
6.7E-03	p	1.0E-03	p	6.7E-03	r	1.7E-04	p	y		100-00-5	p-Chloronitrobenzene	1.0E+01	nc**	3.7E+01	nc**	8.2E-01	nc**	1.2E+00	nc**		
		5.0E-03	i			5.0E-03	r	y		95-57-8	2-Chlorophenol	6.3E+01	nc	2.4E+02	nc	1.8E+01	nc	3.0E+01	nc	4.0E+00	2.0E-01
		2.9E-02	r			2.9E-02	h	y		75-29-6	2-Chloropropane	1.7E+02	nc	5.9E+02	nc	1.0E+02	nc	1.7E+02	nc		
1.1E-02	h	1.5E-02	i	1.1E-02	r	1.5E-02	r		0.1	1897-45-6	Chlorothalonil	4.4E+01	ca*	1.6E+02	ca*	6.1E-01	ca*	6.1E+00	ca*		
		2.0E-02	i			2.0E-02	r	y		95-49-8	o-Chlorotoluene	1.6E+02	nc	5.6E+02	nc	7.3E+01	nc	1.2E+02	nc		
		2.0E-01	i			2.0E-01	r		0.1	101-21-3	Chlorpropham	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		

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TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soil	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		3.0E-03	i			3.0E-03	r		0.1	2921-88-2	Chlorpyrifos	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		1.0E-02	h			1.0E-02	r		0.1	5598-13-0	Chlorpyrifos-methyl	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-02	i			5.0E-02	r		0.1	64902-72-3	Chlorsulfuron	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		8.0E-04	h			8.0E-04	r		0.1	60238-56-4	Chlorthiophos	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
				4.2E+01	i						Total Chromium (1:6 ratio Cr VI:Cr III)+++	2.1E+02	ca	4.5E+02	ca	1.6E-04	ca			3.8E+01	2.0E+00
		1.5E+00	i							16065-83-1	Chromium III	1.0E+05	max	1.0E+05	max			5.5E+04	nc		
		3.0E-03	i	2.9E+02	i	2.2E-08	i			18540-29-9	Chromium VI+++	3.0E+01	ca**	6.4E+01	ca	2.3E-05	ca	1.1E+02	nc	3.8E+01	2.0E+00
		2.0E-02	p	9.8E+00	p	5.7E-06	p			7440-48-4	Cobalt	9.0E+02	ca**	1.9E+03	ca*	6.9E-04	ca*	7.3E+02	nc		
				2.2E+00	i					8007-45-2	Coke Oven Emissions					3.1E-03	ca				
		4.0E-02	h							7440-50-8	Copper and compounds	3.1E+03	nc	4.1E+04	nc			1.5E+03	nc		
1.9E+00	h			1.9E+00	r			y		123-73-9	Crotonaldehyde	5.3E-03	ca	1.1E-02	ca	3.5E-03	ca	5.9E-03	ca		
		1.0E-01	i			1.1E-01	i	y		98-82-8	Cumene (isopropylbenzene)	5.7E+02	nc	2.0E+03	nc	4.0E+02	nc	6.6E+02	nc		
8.4E-01	h	2.0E-03	h	8.4E-01	r	2.0E-03	r		0.1	21725-46-2	Cyanazine	5.8E-01	ca	2.1E+00	ca	8.0E-03	ca	8.0E-02	ca		
		2.0E-02	i						0.1	57-12-5	Cyanide (free)	1.2E+03	nc	1.2E+04	nc			7.3E+02	nc		
		2.0E-02	i			8.6E-04	i	y		74-90-8	Cyanide (hydrogen)	1.1E+01	nc	3.5E+01	nc	3.1E+00	nc	6.2E+00	nc		
		4.0E-02	i			4.0E-02	r	y		460-20-5	Cyanogen	1.3E+02	nc	4.3E+02	nc	1.5E+02	nc	2.4E+02	nc		
		9.0E-02	i			9.0E-02	r	y		506-68-3	Cyanogen bromide	2.9E+02	nc	9.7E+02	nc	3.3E+02	nc	5.5E+02	nc		
		5.0E-02	i			5.0E-02	r	y		506-77-4	Cyanogen chloride	1.6E+02	nc	5.4E+02	nc	1.8E+02	nc	3.0E+02	nc		
		1.7E+00	r			1.7E+00	i	y		110-82-7	Cyclohexane	1.4E+02	sat	1.4E+02	sat	6.2E+03	nc	1.0E+04	nc		
		5.0E+00	i			5.0E+00	r		0.1	108-94-1	Cyclohexanone	1.0E+05	max	1.0E+05	max	1.8E+04	nc	1.8E+05	nc		
		2.0E-01	i			2.0E-01	r		0.1	108-91-8	Cyclohexylamine	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		5.0E-03	i			5.0E-03	r		0.1	68085-85-8	Cyhalothrin/Karate	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		1.0E-02	i			1.0E-02	r		0.1	52315-07-8	Cypermethrin	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		7.5E-03	i			7.5E-03	r		0.1	66215-27-8	Cyromazine	4.6E+02	nc	4.6E+03	nc	2.7E+01	nc	2.7E+02	nc		
		1.0E-02	i			1.0E-02	r		0.1	1861-32-1	Dacthal	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		3.0E-02	i			3.0E-02	r		0.1	75-99-0	Dalapon	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r		0.1	39515-41-8	Danitol	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
2.4E-01	i			2.4E-01	r				0.03	72-54-8	DDD	2.4E+00	ca	1.0E+01	ca	2.8E-02	ca	2.8E-01	ca	1.6E+01	8.0E-01
3.4E-01	i			3.4E-01	r				0.03	72-55-9	DDE	1.7E+00	ca	7.0E+00	ca	2.0E-02	ca	2.0E-01	ca	5.4E+01	3.0E+00
3.4E-01	i	5.0E-04	i	3.4E-01	i	5.0E-04	r		0.03	50-29-3	DDT	1.7E+00	ca*	7.0E+00	ca*	2.0E-02	ca*	2.0E-01	ca*	3.2E+01	2.0E+00
		1.0E-02	i			1.0E-02	r		0.1	1163-19-5	Decabromodiphenyl ether	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		4.0E-05	i			4.0E-05	r		0.1	8065-48-3	Demeton	2.4E+00	nc	2.5E+01	nc	1.5E-01	nc	1.5E+00	nc		
6.1E-02	h			6.1E-02	r				0.1	2303-16-4	Diallate	8.0E+00	ca	2.8E+01	ca	1.1E-01	ca	1.1E+00	ca		
		9.0E-04	h			9.0E-04	r		0.1	333-41-5	Diazinon	5.5E+01	nc	5.5E+02	nc	3.3E+00	nc	3.3E+01	nc		
		2.0E-03	n			2.0E-03	r	y		132-64-9	Dibenzofuran	1.5E+02	nc	1.6E+03	nc	7.3E+00	nc	1.2E+01	nc		
		1.0E-02	i			1.0E-02	r		0.1	106-37-6	1,4-Dibromobenzene	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
8.4E-02	i	2.0E-02	i	8.4E-02	r	2.0E-02	r	y		124-48-1	Dibromochloromethane	1.1E+00	ca	2.6E+00	ca	8.0E-02	ca	1.3E-01	ca	4.0E-01	2.0E-02
1.4E+00	h	5.7E-05	r	2.4E-03	x	5.7E-05	i	y		96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	4.6E-01	ca**	2.0E+00	ca**	2.1E-01	nc	4.8E-02	ca**		
7.0E+00	c			7.0E+00	c			y		96-12-8	"CAL-Modified PRG"	3.0E-02	ca	7.6E-02	ca	9.6E-04	ca	1.6E-03	ca		
2.0E+00	i	9.0E-03	i	2.0E+00	i	2.6E-03	i	y		106-93-4	1,2-Dibromoethane (EDB)	3.2E-02	ca	7.3E-02	ca	3.4E-03	ca	5.6E-03	ca		
		1.0E-01	i			1.0E-01	r		0.1	84-74-2	Dibutyl phthalate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc	2.3E+03	2.7E+02
		3.0E-02	i			3.0E-02	r		0.1	1918-00-9	Dicamba	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		

Key: SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where nc PRG < 100X ca PRG) ca** (where nc PRG < 10X ca PRG) ***=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES											CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		9.0E-02	i			5.7E-02	h	y		95-50-1	1,2-Dichlorobenzene	6.0E+02	sat	6.0E+02	sat	2.1E+02	nc	3.7E+02	nc	1.7E+01	9.0E-01
		3.0E-02	n			3.0E-02	r	y		541-73-1	1,3-Dichlorobenzene	5.3E+02	nc	6.0E+02	sat	1.1E+02	nc	1.8E+02	nc		
2.4E-02	h	3.0E-02	n	2.2E-02	n	2.3E-01	i	y		106-46-7	1,4-Dichlorobenzene	3.4E+00	ca	7.9E+00	ca	3.1E-01	ca	5.0E-01	ca	2.0E+00	1.0E-01
4.5E-01	l			4.5E-01	r				0.5	91-94-1	3,3-Dichlorobenzidine	1.1E+00	ca	3.8E+00	ca	1.5E-02	ca	1.5E-01	ca	7.0E-03	3.0E-04
		3.0E-02	n			3.0E-02	r		0.1	90-98-2	4,4'-Dichlorobenzophenone	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
9.3E+00	r			9.3E+00	h			y		764-41-0	1,4-Dichloro-2-butene	7.9E-03	ca	1.8E-02	ca	7.2E-04	ca	1.2E-03	ca		
		2.0E-01	i			5.7E-02	h	y		75-71-8	Dichlorodifluoromethane	9.4E+01	nc	3.1E+02	nc	2.1E+02	nc	3.9E+02	nc		
		1.0E-01	h			1.4E-01	h	y		75-34-3	1,1-Dichloroethane	5.1E+02	nc	1.7E+03	nc	5.2E+02	nc	8.1E+02	nc	2.3E+01	1.0E+00
5.7E-03	c			5.7E-03	c			y			"CAL-Modified PRG"	2.8E+00	ca	6.0E+00	ca	1.2E+00	ca	2.0E+00	ca		
9.1E-02	i	2.0E-02	n	9.1E-02	i	1.4E-03	n	y		107-06-2	1,2-Dichloroethane (EDC)	2.8E-01	ca*	6.0E-01	ca*	7.4E-02	ca*	1.2E-01	ca*	2.0E-02	1.0E-03
		5.0E-02	i			5.7E-02	i	y		75-35-4	1,1-Dichloroethylene	1.2E+02	nc	4.1E+02	nc	2.1E+02	nc	3.4E+02	nc	6.0E-02	3.0E-03
		1.0E-02	p			1.0E-02	r	y		156-59-2	1,2-Dichloroethylene (cis)	4.3E+01	nc	1.5E+02	nc	3.7E+01	nc	6.1E+01	nc	4.0E-01	2.0E-02
		2.0E-02	p			2.0E-02	r	y		156-60-5	1,2-Dichloroethylene (trans)	6.9E+01	nc	2.3E+02	nc	7.3E+01	nc	1.2E+02	nc	7.0E-01	3.0E-02
		3.0E-03	i			3.0E-03	r		0.1	120-83-2	2,4-Dichlorophenol	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc	1.0E+00	5.0E-02
		8.0E-03	i			8.0E-03	r		0.1	94-82-6	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		1.0E-02	i			1.0E-02	r		0.05	94-75-7	2,4-Dichlorophenoxyacetic Acid (2,4-D)	6.9E+02	nc	7.7E+03	nc	3.7E+01	nc	3.6E+02	nc		
6.8E-02	h	1.1E-03	r	6.8E-02	r	1.1E-03	i	y		78-87-5	1,2-Dichloropropane	3.4E-01	ca*	7.4E-01	ca*	9.9E-02	ca*	1.6E-01	ca*	3.0E-02	1.0E-03
		2.0E-02	p			2.0E-02	r	y		142-28-9	1,3-Dichloropropane	1.0E+02	nc	3.6E+02	nc	7.3E+01	nc	1.2E+02	nc		
1.0E-01	l	3.0E-02	i	1.4E-02	l	5.7E-03	i	y		542-75-6	1,3-Dichloropropene	7.8E-01	ca	1.8E+00	ca	4.8E-01	ca	4.0E-01	ca	4.0E-03	2.0E-04
		3.0E-03	l			3.0E-03	r		0.1	616-23-9	2,3-Dichloropropanol	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
2.9E-01	i	5.0E-04	i	2.9E-01	r	1.4E-04	l		0.1	62-73-7	Dichlorvos	1.7E+00	ca*	5.9E+00	ca*	2.3E-02	ca*	2.3E-01	ca*		
4.4E-01	x			4.4E-01	r				0.1	615-32-2	Dicofol	1.1E+00	ca	3.9E+00	ca	1.5E-02	ca	1.5E-01	ca		
		3.0E-02	h			5.7E-05	x	y		77-73-6	Dicyclopentadiene	5.4E-01	nc	1.8E+00	nc	2.1E-01	nc	4.2E-01	nc		
1.6E+01	i	5.0E-05	l	1.6E+01	i	5.0E-05	r		0.5	60-57-1	Dieldrin	3.0E-02	ca	1.1E-01	ca	4.2E-04	ca	4.2E-03	ca	4.0E-03	2.0E-04
		1.0E-02	p			5.7E-03	p		0.1	112-34-5	Diethylene glycol, monobutyl ether	6.1E+02	nc	6.2E+03	nc	2.1E+01	nc	3.6E+02	nc		
		8.0E-02	p			8.6E-04	p		0.1	111-90-0	Diethylene glycol, monoethyl ether	3.7E+03	nc	3.7E+04	nc	3.1E+00	nc	2.2E+03	nc		
		4.0E-04	p			4.0E-04	r		0.1	617-84-5	Diethylformamide	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		
1.2E-03	l	6.0E-01	i	1.2E-03	r	6.0E-01	r		0.1	103-23-1	Di(2-ethylhexyl)adipate	4.1E+02	ca	1.4E+03	ca	5.6E+00	ca	5.6E+01	ca		
		8.0E-01	i			8.0E-01	r		0.1	84-69-2	Diethyl phthalate	4.9E+04	nc	1.0E+05	max	2.9E+03	nc	2.9E+04	nc		
4.7E+03	h			4.7E+03	r				0.1	56-53-1	Diethylstilbestrol	1.0E-04	ca	3.7E-04	ca	1.4E-06	ca	1.4E-05	ca		
		8.0E-02	i			8.0E-02	r		0.1	43222-48-6	Difenzoquat (Avenge)	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r		0.1	35367-38-5	Diflubenzuron	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.1E+01	r			1.1E+01	i	y		75-37-6	1,1-Difluoroethane					4.2E+04	nc	6.9E+04	nc		
		2.0E-02	n			2.0E-02	r		0.1	28553-12-0	Diisononyl phthalate	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
						1.1E-01	p			108-20-3	Diisopropyl ether					4.0E+02	nc				
		8.0E-02	i			8.0E-02	r		0.1	1445-75-5	Diisopropyl methylphosphonate	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	l			2.0E-02	r		0.1	55290-64-7	Dimethipin	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-04	l			2.0E-04	r		0.1	60-51-5	Dimethoate	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
1.4E-02	h			1.4E-02	r				0.1	119-90-4	3,3'-Dimethoxybenzidine	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		5.7E-06	r			5.7E-06	x	y		122-09-8	Dimethylamine	6.7E-02	nc	2.5E-01	nc	2.1E-02	nc	3.5E-02	nc		
		2.0E-03	i			2.0E-03	r		0.1	121-69-7	N-N-Dimethylaniline	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
7.5E-01	h			7.5E-01	r				0.1	95-68-1	2,4-Dimethylaniline	6.5E-01	ca	2.3E+00	ca	9.0E-03	ca	9.0E-02	ca		

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TOXICITY VALUES								CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C skin abs. solis CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
5.8E-01	h			5.8E-01	r			0.1 21436-96-4	2,4-Dimethylaniline hydrochloride	8.4E-01	ca	3.0E+00	ca	1.2E-02	ca	1.2E-01	ca		
2.3E+00	p			2.3E+00	r			0.1 119-93-7	3,3'-Dimethylbenzidine	2.1E-01	ca	7.5E-01	ca	2.9E-03	ca	2.9E-02	ca		
		1.0E-01	h			8.6E-03	i	0.1 68-12-2	N,N-Dimethylformamide	6.1E+03	nc	6.2E+04	nc	3.1E+01	nc	3.6E+03	nc		
		1.0E-03	n			1.0E-03	r	0.1 122-09-8	Dimethylphenethylamine	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.0E-02	i			2.0E-02	r	0.1 105-67-9	2,4-Dimethylphenol	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc	9.0E+00	4.0E-01
		6.0E-04	i			6.0E-04	r	0.1 576-26-1	2,6-Dimethylphenol	3.7E+01	nc	3.7E+02	nc	2.2E+00	nc	2.2E+01	nc		
		1.0E-03	i			1.0E-03	r	0.1 95-65-8	3,4-Dimethylphenol	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E+01	h			1.0E+01	r	0.1 131-11-3	Dimethyl phthalate	1.0E+05	max	1.0E+05	max	3.7E+04	nc	3.6E+05	nc		
		1.0E-01	i			1.0E-01	r	0.1 120-61-6	Dimethyl terephthalate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		1.0E-04	p			1.0E-04	r	0.1 534-52-1	4,6-Dinitro-o-cresol	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		2.0E-03	i			2.0E-03	r	0.1 131-89-5	4,6-Dinitro-o-cyclohexyl phenol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.0E-04	p			1.0E-04	r	0.1 528-29-0	1,2-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.0E-04	i			1.0E-04	r	0.1 99-65-0	1,3-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.0E-04	p			1.0E-04	r	0.1 100-25-4	1,4-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		2.0E-03	i			2.0E-03	r	0.1 51-28-5	2,4-Dinitrophenol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc	3.0E-01	1.0E-02
6.8E-01	i			6.8E-01	r			0.1 25321-14-6	Dinitrotoluene mixture	7.2E-01	ca	2.5E+00	ca	9.9E-03	ca	9.9E-02	ca	8.0E-04	4.0E-05
		2.0E-03	i			2.0E-03	r	0.1 121-14-2	2,4-Dinitrotoluene (also see Dinitrotoluene mixture)	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc	8.0E-04	4.0E-05
		1.0E-03	h			1.0E-03	r	0.1 606-20-2	2,6-Dinitrotoluene (also see Dinitrotoluene mixture)	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc	7.0E-04	3.0E-05
		1.0E-03	i			1.0E-03	r	0.1 88-85-7	Dinoseb	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		4.0E-02	p			4.0E-02	r	0.1 117-84-0	di-n-Octyl phthalate	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc	1.0E+04	1.0E+04
1.1E-02	i			1.1E-02	r			0.1 123-91-1	1,4-Dioxane	4.4E+01	ca	1.6E+02	ca	6.1E-01	ca	6.1E+00	ca		
1.5E+05	h			1.5E+05	h			0.00 1746-01-6	Dioxin (2,3,7,8-TCDD)+++	3.9E-06	ca	1.6E-05	ca	4.5E-08	ca	4.5E-07	ca		
		3.0E-02	i			3.0E-02	r	0.1 957-51-7	Diphenamid	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1 122-39-4	Diphenylamine	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-04	p			3.0E-04	r	0.1 74-31-7	N,N-Diphenyl-1,4 benzenediamine (DPPD)	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
8.0E-01	i			8.0E-01	i			0.1 122-66-7	1,2-Diphenylhydrazine	6.1E-01	ca	2.2E+00	ca	8.4E-03	ca	8.4E-02	ca		
		3.0E-03	p			3.0E-03	r	0.1 127-63-9	Diphenyl sulfone	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.2E-03	i			2.2E-03	r	0.1 85-00-7	Diquat	1.3E+02	nc	1.4E+03	nc	8.0E+00	nc	8.0E+01	nc		
8.6E+00	h			8.6E+00	r			0.1 1937-37-7	Direct black 38	5.7E-02	ca	2.0E-01	ca	7.8E-04	ca	7.8E-03	ca		
8.1E+00	h			8.1E+00	r			0.1 2602-46-2	Direct blue 6	6.0E-02	ca	2.1E-01	ca	8.3E-04	ca	8.3E-03	ca		
9.3E+00	h			9.3E+00	r			0.1 16071-86-6	Direct brown 95	5.2E-02	ca	1.9E-01	ca	7.2E-04	ca	7.2E-03	ca		
		4.0E-05	i			4.0E-05	r	0.1 298-04-4	Disulfoton	2.4E+00	nc	2.5E+01	nc	1.5E-01	nc	1.5E+00	nc		
		1.0E-02	i			1.0E-02	r	0.1 505-29-3	1,4-Dithiane	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		2.0E-03	i			2.0E-03	r	0.1 330-54-1	Diuron	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		4.0E-03	i			4.0E-03	r	0.1 2439-10-3	Dodine	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		1.0E-01	n					7429-91-6	Dysprosium	7.8E+03	nc	1.0E+05	max			3.6E+03	nc		
		6.0E-03	i			6.0E-03	r	0.1 115-29-7	Endosulfan	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc	1.8E+01	9.0E-01
		2.0E-02	i			2.0E-02	r	0.1 145-73-3	Endothall	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		3.0E-04	i			3.0E-04	r	0.1 72-20-8	Endrin	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc	1.0E+00	5.0E-02
9.9E-03	i	2.0E-03	h	4.2E-03	h	2.9E-04	i	y 106-89-8	Epichlorohydrin	7.6E+00	nc	2.6E+01	nc	1.0E+00	nc	2.0E+00	nc		

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where nc PRG < 100X ca PRG) ca** (where nc PRG < 10X ca PRG) ** =Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)	SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)	Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.00E-02	r		8.00E-02	c			y		"CAL-Modified PRG"	1.3E+00	nc	2.9E+00	nc	8.4E-02	nc	1.4E-01	nc		
		5.7E-03	r		5.7E-03	i		0.1	106-38-7	3.5E+02	nc	3.5E+03	nc	2.1E+01	nc	2.1E+02	nc		
		2.5E-02	i		2.5E-02	r		0.1	759-94-4	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		5.0E-03	i		5.0E-03	r		0.1	16672-87-0	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		5.0E-04	i		5.0E-04	r		0.1	563-12-2	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
		4.0E-01	h		5.7E-02	i		0.1	110-80-5	2.4E+04	nc	1.0E+05	max	2.1E+02	nc	1.5E+04	nc		
		3.0E-01	h		3.0E-01	r		0.1	111-15-9	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		9.0E-01	i		9.0E-01	r	y		141-78-6	1.9E+04	nc	3.7E+04	sat	3.3E+03	nc	5.5E+03	nc		
4.8E-02	h		4.8E-02	r			y		140-88-5	2.1E-01	ca	4.5E-01	ca	1.4E-01	ca	2.3E-01	ca		
		1.0E-01	i		2.9E-01	i	y		100-41-4	4.0E+02	sat	4.0E+02	sat	1.1E+03	nc	1.3E+03	nc	1.3E+01	7.0E-01
2.9E-03	n	4.0E-01	n	2.9E-03	r	2.9E+00	i	y	75-00-3	3.0E+00	ca	6.5E+00	ca	2.3E+00	ca	4.6E+00	ca		
		3.0E-01	h			3.0E-01	r		109-78-4	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		9.0E-02	p			9.0E-02	r		107-15-3	5.5E+03	nc	5.5E+04	nc	3.3E+02	nc	3.3E+03	nc		
		2.0E+00	i			2.0E+00	r		107-21-1	1.0E+05	max	1.0E+05	max	7.3E+03	nc	7.3E+04	nc		
		5.0E-01	i			3.7E+00	i		111-76-2	3.1E+04	nc	1.0E+05	max	1.4E+04	nc	1.8E+04	nc		
1.0E+00	h		3.5E-01	h			y		75-21-8	1.4E-01	ca	3.4E-01	ca	1.9E-02	ca	2.4E-02	ca		
1.1E-01	h	8.0E-05	i	1.1E-01	r	8.0E-05	r		96-45-7	4.4E+00	ca**	1.6E+01	ca**	6.1E-02	ca**	6.1E-01	ca**		
		2.0E-01	i			2.0E-01	r	y	60-29-7	1.8E+03	sat	1.8E+03	sat	7.3E+02	nc	1.2E+03	nc		
		9.0E-02	h			9.0E-02	r	y	97-63-2	1.4E+02	sat	1.4E+02	sat	3.3E+02	nc	5.5E+02	nc		
		1.0E-05	i			1.0E-05	r		2104-64-5	6.1E-01	nc	6.2E+00	nc	3.7E-02	nc	3.6E-01	nc		
		3.0E+00	i			3.0E+00	r		84-72-0	1.0E+05	max	1.0E+05	max	1.1E+04	nc	1.1E+05	nc		
		8.0E-03	i			8.0E-03	r		101200-48-0	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		2.5E-04	i			2.5E-04	r		22224-92-6	1.5E+01	nc	1.5E+02	nc	9.1E-01	nc	9.1E+00	nc		
		1.3E-02	i			1.3E-02	r		2164-17-2	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		6.0E-02	i						16984-48-8	3.7E+03	nc	3.7E+04	nc			2.2E+03	nc		
		8.0E-02	i			8.0E-02	r		59756-60-4	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r		56425-91-3	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		6.0E-02	i			6.0E-02	r		66332-96-5	3.7E+03	nc	3.7E+04	nc	2.2E+02	nc	2.2E+03	nc		
		1.0E-02	i			1.0E-02	r		69409-94-5	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
3.5E-03	i	1.0E-01	i	3.5E-03	r	1.0E-01	r		133-07-3	1.4E+02	ca*	4.9E+02	ca	1.9E+00	ca	1.9E+01	ca		
1.9E-01	i			1.9E-01	r				72178-02-0	2.6E+00	ca	9.1E+00	ca	3.5E-02	ca	3.5E-01	ca		
		2.0E-03	i			2.0E-03	r		944-22-9	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.5E-01	i	4.6E-02	i				50-00-0	9.2E+03	nc	1.0E+05	nc	1.5E-01	ca	5.5E+03	nc		
		2.0E+00	h			8.6E-04	p		64-18-6	1.0E+05	max	1.0E+05	max	3.1E+00	nc	7.3E+04	nc		
		3.0E+00	i			3.0E+00	r		39148-24-8	1.0E+05	max	1.0E+05	max	1.1E+04	nc	1.1E+05	nc		
		3.0E+01	i			8.6E+00	h	y	76-13-1	5.6E+03	sat	5.6E+03	sat	3.1E+04	nc	5.9E+04	nc		
		1.0E-03	i			1.0E-03	r	y	110-00-9	2.5E+00	nc	8.5E+00	nc	3.7E+00	nc	6.1E+00	nc		
3.8E+00	h		3.8E+00	r				0.1	67-45-8	1.3E-01	ca	4.5E-01	ca	1.8E-03	ca	1.8E-02	ca		
		3.0E-03	i			1.4E-02	h		98-01-1	1.8E+02	nc	1.8E+03	nc	5.2E+01	nc	1.1E+02	nc		
5.0E+01	h		5.0E+01	r				0.1	531-82-8	9.7E-03	ca	3.4E-02	ca	1.3E-04	ca	1.3E-03	ca		
3.0E-02	i		3.0E-02	r				0.1	60168-88-9	1.6E+01	ca	5.7E+01	ca	2.2E-01	ca	2.2E+00	ca		
		4.0E-04	i			4.0E-04	r	0.1	77182-82-2	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		

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TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	sols abs. sols	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		4.0E-04	i			2.9E-04	h		0.1	765-34-4	Glycidaldehyde	2.4E+01	nc	2.5E+02	nc	1.0E+00	nc	1.5E+01	nc		
		1.0E-01	i			1.0E-01	r		0.1	1071-83-6	Glyphosate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		5.0E-05	i			5.0E-05	r		0.1	69806-40-2	Haloxyfop-methyl	3.1E+00	nc	3.1E+01	nc	1.8E-01	nc	1.8E+00	nc		
		1.3E-02	i			1.3E-02	r		0.1	79277-27-3	Harmony	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
4.5E+00	i	5.0E-04	i	4.6E+00	i	5.0E-04	r		0.1	76-44-8	Heptachlor	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca	2.3E+01	1.0E+00
9.1E+00	i	1.3E-05	i	9.1E+00	i	1.3E-05	r		0.1	1024-57-3	Heptachlor epoxide	5.3E-02	ca*	1.9E-01	ca*	7.4E-04	ca*	7.4E-03	ca*	7.0E-01	3.0E-02
		2.0E-03	i			2.0E-03	r		0.1	87-82-1	Hexabromobenzene	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
1.6E+00	i	8.0E-04	i	1.6E+00	i	8.0E-04	r		0.1	118-74-1	Hexachlorobenzene	3.0E-01	ca	1.1E+00	ca	4.2E-03	ca	4.2E-02	ca	2.0E+00	1.0E-01
7.8E-02	i	3.0E-04	n	7.8E-02	i	3.0E-04	r		0.1	87-68-3	Hexachlorobutadiene	6.2E+00	ca**	2.2E+01	ca**	8.6E-02	ca*	8.6E-01	ca*	2.0E+00	1.0E-01
6.3E+00	i	5.0E-04	n	6.3E+00	i	5.0E-04	r		0.04	319-84-6	HCH (alpha)	9.0E-02	ca	3.6E-01	ca	1.1E-03	ca	1.1E-02	ca	5.0E-04	3.0E-05
1.8E+00	i	2.0E-04	n	1.8E+00	i	2.0E-04	r		0.04	319-85-7	HCH (beta)	3.2E-01	ca	1.3E+00	ca	3.7E-03	ca	3.7E-02	ca	3.0E-03	1.0E-04
1.3E+00	h	3.0E-04	i	1.3E+00	r	3.0E-04	r		0.04	58-89-9	HCH (gamma) Lindane	4.4E-01	ca*	1.7E+00	ca	5.2E-03	ca	5.2E-02	ca	9.0E-03	5.0E-04
1.8E+00	i			1.8E+00	i				0.04	608-73-1	HCH-technical	3.2E-01	ca	1.3E+00	ca	3.8E-03	ca	3.7E-02	ca	3.0E-03	1.0E-04
		6.0E-03	i			5.7E-05	i		0.1	77-47-4	Hexachlorocyclopentadiene	3.7E+02	nc	3.7E+03	nc	2.1E-01	nc	2.2E+02	nc	4.0E+02	2.0E+01
1.4E-02	i	1.0E-03	i	1.4E-02	i	1.0E-03	r		0.1	67-72-1	Hexachloroethane	3.5E+01	ca**	1.2E+02	ca**	4.8E-01	ca**	4.8E+00	ca**	5.0E-01	2.0E-02
		3.0E-04	i			3.0E-04	r		0.1	70-30-4	Hexachlorophene	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
1.1E-01	i	3.0E-03	i	1.1E-01	r	3.0E-03	r		0.1	121-82-4	Hexahydro-1,3,5-trinitro-1,3,5-triazine	4.4E+00	ca*	1.6E+01	ca	6.1E-02	ca	6.1E-01	ca		
		2.9E-06	r			2.9E-06	i		0.1	822-06-0	1,6-Hexamethylene diisocyanate	1.7E-01	nc	1.8E+00	nc	1.0E-02	nc	1.0E-01	nc		
		1.1E+01	p			5.7E-02	i	y		110-54-3	n-Hexane	1.1E+02	sat	1.1E+02	sat	2.1E+02	nc	4.2E+02	nc		
		3.3E-02	i			3.3E-02	r		0.1	51235-04-2	Hexazinone	2.0E+03	nc	2.0E+04	nc	1.2E+02	nc	1.2E+03	nc		
		5.0E-02	i			5.0E-02	r		0.1	2691-41-0	HMX	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
3.0E+00	i			1.7E+01	i				0.1	302-01-2	Hydrazine, hydrazine sulfate	1.6E-01	ca	5.7E-01	ca	3.9E-04	ca	2.2E-02	ca		
3.0E+00	n			1.7E+01	n				0.1	60-34-4	Hydrazine, monomethyl	1.6E-01	ca	5.7E-01	ca	4.0E-04	ca	2.2E-02	ca		
3.0E+00	n			1.7E+01	n				0.1	57-14-7	Hydrazine, dimethyl	1.6E-01	ca	5.7E-01	ca	4.0E-04	ca	2.2E-02	ca		
						5.7E-03	i			7647-01-0	Hydrogen chloride					2.1E+01	nc				
		2.0E-02	i			8.6E-04	i	y		74-90-8	Hydrogen cyanide	1.1E+01	nc	3.5E+01	nc	3.1E+00	nc	6.2E+00	nc		
		3.0E-03	i			2.9E-04	i			7783-06-4	Hydrogen sulfide					1.0E+00	nc	1.1E+02	nc		
5.6E-02	p	4.0E-02	p	5.6E-02	r	4.0E-02	r		0.1	123-31-9	p-Hydroquinone	8.7E+00	ca	3.1E+01	ca	1.2E-01	ca	1.2E+00	ca		
		1.3E-02	i			1.3E-02	r		0.1	35554-44-0	Imazalil	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		2.5E-01	i			2.5E-01	r		0.1	81335-37-7	Imazaquin	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		4.0E-02	i			4.0E-02	r		0.1	36734-19-7	Iprodione	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
		3.0E-01	n							7439-89-6	Iron	2.3E+04	nc	1.0E+05	max			1.1E+04	nc		
		3.0E-01	i			3.0E-01	r	y		78-83-1	Isobutanol	1.3E+04	nc	4.0E+04	sat	1.1E+03	nc	1.8E+03	nc		
9.5E-04	i	2.0E-01	i	9.5E-04	r	2.0E-01	r		0.1	78-59-1	Isophorone	5.1E+02	ca*	5.1E+02	ca*	7.1E+00	ca	7.1E+01	ca	5.0E-01	3.0E-02
		1.5E-02	i			1.5E-02	r		0.1	33820-53-0	Isopropalin	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		1.0E-01	i			1.1E-01	r		0.1	1832-54-8	Isopropyl methyl phosphonic acid	6.1E+03	nc	6.2E+04	nc	4.0E+02	nc	3.6E+03	nc		
		5.0E-02	i			5.0E-02	r		0.1	82558-50-7	Isoxaben	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
8.0E+00	p	2.0E-04	p	8.0E+00	r	2.0E-04	r		0.1	143-50-0	Kepone	6.1E-02	ca	2.2E-01	ca	8.4E-04	ca	8.4E-03	ca		
		2.0E-03	i			2.0E-03	r		0.1	77501-63-4	Lactofen	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
www.epa.gov/superfund/programs/lead/ap.htm										7439-92-1	Lead+++	4.0E+02	nc	8.0E+02	nc						
www.dtsc.ca.gov/ScienceTechnology/leadpaint.html											"CAL-Modified PRG"+++	1.5E+02	nc								
		1.0E-07	i						0.1	78-00-2	Lead (tetraethyl)	6.1E-03	nc	6.2E-02	nc			3.6E-03	nc		

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TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	abs. safe	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.0E-03	i			2.0E-03	r		0.1	330-55-2	Linuron	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		2.0E-02	x							7439-93-2	Lithium	1.6E+03	nc	2.0E+04	nc			7.3E+02	nc		
		2.0E-01	i			2.0E-01	r		0.1	83063-89-6	Londax	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		2.0E-02	i			2.0E-02	r		0.1	121-75-5	Malathion	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.0E-01	i			1.0E-01	r		0.1	108-31-6	Maleic anhydride	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		5.0E-01	i			5.0E-01	r	y		123-33-1	Maleic hydrazide	1.7E+03	nc	2.4E+03	sat	1.8E+03	nc	3.0E+03	nc		
		1.0E-04	p			1.0E-04	r		0.1	109-77-3	Malononitrile	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		3.0E-02	h			3.0E-02	r		0.1	8018-01-7	Mancozeb	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
6.0E-02	o	5.0E-03	i	6.0E-02	r	5.0E-03	r		0.1	12427-38-2	Maneb	8.1E+00	ca*	2.9E+01	ca	1.1E-01	ca	1.1E+00	ca		
		2.4E-02	i			1.4E-05	i			7439-96-5	Manganese and compounds+++	1.8E+03	nc	1.9E+04	nc	5.1E-02	nc	8.8E+02	nc		
		9.0E-05	h			9.0E-05	r		0.1	950-10-7	Mephosfolan	5.5E+00	nc	5.5E+01	nc	3.3E-01	nc	3.3E+00	nc		
		3.0E-02	i			3.0E-02	r		0.1	24307-26-4	Mepiquat chloride	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
2.9E-02	n	1.0E-01	n	2.9E-02	r	1.0E-01	r		0.1	149-30-4	2-Mercaptobenzothiazole	1.7E+01	ca	5.9E+01	ca	2.3E-01	ca	2.3E+00	ca		
		3.0E-04	i							7487-94-7	Mercury and compounds	2.3E+01	nc	3.1E+02	nc			1.1E+01	nc		
						8.6E-05	i			7439-97-6	Mercury (elemental)					3.1E-01	nc				
		1.0E-04	i						0.1	22967-92-6	Mercury (methyl)	6.1E+00	nc	6.2E+01	nc			3.6E+00	nc		
		3.0E-05	i			3.0E-05	r		0.1	150-50-5	Merphos	1.8E+00	nc	1.8E+01	nc	1.1E-01	nc	1.1E+00	nc		
		3.0E-05	i			3.0E-05	r		0.1	78-48-8	Merphos oxide	1.8E+00	nc	1.8E+01	nc	1.1E-01	nc	1.1E+00	nc		
		6.0E-02	i			6.0E-02	r		0.1	57837-19-1	Metalaxyl	3.7E+03	nc	3.7E+04	nc	2.2E+02	nc	2.2E+03	nc		
		1.0E-04	i			2.0E-04	h	y		126-98-7	Methacrylonitrile	2.1E+00	nc	8.4E+00	nc	7.3E-01	nc	1.0E+00	nc		
		5.0E-05	i			5.0E-05	r		0.1	10265-92-6	Methamidophos	3.1E+00	nc	3.1E+01	nc	1.8E-01	nc	1.8E+00	nc		
		5.0E-01	i			5.0E-01	r		0.1	67-56-1	Methanol	3.1E+04	nc	1.0E+05	max	1.8E+03	nc	1.8E+04	nc		
		1.0E-03	i			1.0E-03	r		0.1	950-37-8	Methidathion	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.5E-02	i			2.5E-02	r	y		16752-77-5	Methomyl	4.4E+01	nc	1.5E+02	nc	9.1E+01	nc	1.5E+02	nc		
		5.0E-03	i			5.0E-03	r		0.1	72-43-5	Methoxychlor	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc	1.6E+02	8.0E+00
		1.0E-03	h			5.7E-03	i		0.1	109-86-4	2-Methoxyethanol	6.1E+01	nc	6.2E+02	nc	2.1E+01	nc	3.6E+01	nc		
		2.0E-03	h			2.0E-03	r		0.1	110-49-6	2-Methoxyethanol acetate	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
4.6E-02	h			4.6E-02	r				0.1	99-59-2	2-Methoxy-5-nitroaniline	1.1E+01	ca	3.7E+01	ca	1.5E-01	ca	1.5E+00	ca		
		1.0E+00	h			1.0E+00	r	y		79-20-9	Methyl acetate	2.2E+04	nc	9.2E+04	nc	3.7E+03	nc	6.1E+03	nc		
		3.0E-02	h			3.0E-02	r	y		96-33-3	Methyl acrylate	7.0E+01	nc	2.3E+02	nc	1.1E+02	nc	1.8E+02	nc		
2.4E-01	h			2.4E-01	r				0.1	95-53-4	2-Methylaniline (o-toluidine)	2.0E+00	ca	7.2E+00	ca	2.8E-02	ca	2.8E-01	ca		
1.8E-01	h			1.8E-01	r				0.1	636-21-5	2-Methylaniline hydrochloride	2.7E+00	ca	9.6E+00	ca	3.7E-02	ca	3.7E-01	ca		
		5.0E-04	i			5.0E-04	r		0.1	94-74-6	2-Methyl-4-chlorophenoxyacetic acid	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
		1.0E-02	i			1.0E-02	r		0.1	94-81-5	4-(2-Methyl-4-chlorophenoxy) butyric acid	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		1.0E-03	i			1.0E-03	r		0.1	93-65-2	2-(2-Methyl-4-chlorophenoxy) propionic acid	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E-03	i			1.0E-03	r		0.1	16484-77-8	2-(2-Methyl-1,4-chlorophenoxy) propionic acid	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		8.6E-01	r			8.6E-01	h	y		108-87-2	Methylcyclohexane	2.6E+03	nc	8.7E+03	nc	3.1E+03	nc	5.2E+03	nc		
2.5E-01	h			2.5E-01	r				0.1	101-77-9	4,4'-Methylenebisbenzeneamine	1.9E+00	ca	6.9E+00	ca	2.7E-02	ca	2.7E-01	ca		
1.3E-01	h	7.0E-04	h	1.3E-01	h	7.0E-04	r		0.1	101-14-4	4,4'-Methylene bis(2-chloroaniline)	3.7E+00	ca*	1.3E+01	ca*	5.2E-02	ca*	5.2E-01	ca*		
4.6E-02	i			4.6E-02	r				0.1	101-61-1	4,4'-Methylene bis(N,N'-dimethyl)aniline	1.1E+01	ca	3.7E+01	ca	1.5E-01	ca	1.5E+00	ca		
		1.0E-02	h			1.0E-02	r	y		74-95-3	Methylene bromide	6.7E+01	nc	2.3E+02	nc	3.7E+01	nc	6.1E+01	nc		
7.5E-03	i	6.0E-02	i	1.6E-03	i	8.6E-01	h	y		75-09-2	Methylene chloride	9.1E+00	ca	2.1E+01	ca	4.1E+00	ca	4.3E+00	ca	2.0E-02	1.0E-03

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. adj.	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		1.7E-04	r			1.7E-04	i		0.1	101-68-8	4,4'-Methylene diphenyl diisocyanate	1.0E+01	nc	1.0E+02	nc	6.2E-01	nc	6.2E+00	nc		
		6.0E-01	h			1.4E+00	i	y		78-93-3	Methyl ethyl ketone (2-Butanone)	2.2E+04	nc	1.1E+05	nc	5.1E+03	nc	7.0E+03	nc		
		8.0E-02	h			8.6E-01	i	y		108-10-1	Methyl isobutyl ketone	5.3E+03	nc	4.7E+04	nc	3.1E+03	nc	2.0E+03	nc		
		5.7E-04	r			5.7E-04	n		0.1	74-93-1	Methyl Mercaptan	3.5E+01	nc	3.5E+02	nc	2.1E+00	nc	2.1E+01	nc		
		1.4E+00	i			2.0E-01	i	y		80-62-6	Methyl methacrylate	2.2E+03	nc	2.7E+03	sat	7.3E+02	nc	1.4E+03	nc		
3.3E-02	h			3.3E-02	r				0.1	99-55-8	2-Methyl-5-nitroaniline	1.5E+01	ca	5.2E+01	ca	2.0E-01	ca	2.0E+00	ca		
		2.5E-04	i			2.5E-04	r		0.1	298-00-0	Methyl parathion	1.5E+01	nc	1.5E+02	nc	9.1E-01	nc	9.1E+00	nc		
		5.0E-02	i			5.0E-02	r		0.1	95-48-7	2-Methylphenol	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc	1.5E+01	8.0E-01
		5.0E-02	i			5.0E-02	r		0.1	108-39-4	3-Methylphenol	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		5.0E-03	h			5.0E-03	r		0.1	106-44-5	4-Methylphenol	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	p			2.0E-02	r		0.1	993-13-5	Methyl phosphonic acid	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		6.0E-03	h			1.1E-02	h	y		25013-15-4	Methyl styrene (mixture)	1.3E+02	nc	5.4E+02	nc	4.2E+01	nc	6.0E+01	nc		
		7.0E-02	h			7.0E-02	r	y		98-83-9	Methyl styrene (alpha)	6.8E+02	sat	6.8E+02	sat	2.6E+02	nc	4.3E+02	nc		
1.8E-03	c	8.6E-01	r	9.1E-04	c	8.6E-01	i	y		1634-04-4	Methyl tertbutyl ether (MTBE)	3.2E+01	ca	7.0E+01	ca	7.4E+00	ca	1.1E+01	ca		
		1.5E-01	i			1.5E-01	r		0.1	51218-45-2	Metolachlor (Dual)	9.2E+03	nc	9.2E+04	nc	5.5E+02	nc	5.5E+03	nc		
		2.5E-02	i			2.5E-02	r		0.1	21087-64-9	Metribuzin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
1.8E+00	x	2.0E-04	i	1.8E+00	r	2.0E-04	r		0.1	2385-85-5	Mirex	2.7E-01	ca*	9.6E-01	ca	3.7E-03	ca	3.7E-02	ca		
		2.0E-03	h			2.0E-03	r		0.1	2212-67-1	Molinate	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		5.0E-03	i							7439-98-7	Molybdenum	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc		
		1.0E-01	i			1.0E-01	r		0.1	10599-90-3	Monochloramine	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		2.0E-03	i			2.0E-03	r		0.1	300-76-5	Naled	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.0E-01	i			1.0E-01	r		0.1	15299-99-7	Napropamide	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		2.0E-02	i							7440-02-0	Nickel (soluble salts)	1.6E+03	nc	2.0E+04	nc			7.3E+02	nc	1.3E+02	7.0E+00
				8.4E-01	i						Nickel refinery dust					8.0E-03	ca				
				1.7E+00	i					12035-72-2	Nickel subsulfide			1.1E+04	ca	4.0E-03	ca				
Tap Water PRG Based on Infant NOAEL (see IRIS)										14797-55-8	Nitrate+++							1.0E+04	nc		
Tap Water PRG Based on Infant NOAEL (see IRIS)										14797-65-0	Nitrite+++							1.0E+03	nc		
		3.0E-03	p			3.0E-05	p		0.1	88-74-4	2-Nitroaniline	1.8E+02	nc	1.8E+03	nc	1.1E-01	nc	1.1E+02	nc		
2.1E-02	p	3.0E-04	p	2.1E-02	r	3.0E-04	p		0.1	99-09-2	3-Nitroaniline	1.6E+01	nc	8.2E+01	ca**	3.2E-01	ca**	3.2E+00	ca**		
2.1E-02	p	3.0E-03	p	2.1E-02	r	1.0E-03	p		0.1	100-01-6	4-Nitroaniline	2.3E+01	ca**	8.2E+01	ca*	3.2E-01	ca*	3.2E+00	ca*		
		5.0E-04	i			5.7E-04	h	y		98-95-3	Nitrobenzene	2.0E+01	nc	1.0E+02	nc	2.1E+00	nc	3.4E+00	nc	1.0E-01	7.0E-03
		7.0E-02	h			7.0E-02	r		0.1	67-20-9	Nitrofurantoin	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
1.5E+00	h			1.5E+00	r				0.1	59-87-0	Nitrofurazone	3.2E-01	ca	1.1E+00	ca	4.5E-03	ca	4.5E-02	ca		
1.4E-02	n			1.4E-02	r				0.1	55-63-0	Nitroglycerin	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		1.0E-01	i			1.0E-01	r		0.1	556-88-7	Nitroguanidine	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
9.4E+00	r	5.7E-03	r	9.4E+00	h	5.7E-03	i	y		79-46-9	2-Nitropropane					7.2E-04	ca	1.2E-03	ca		
5.4E+00	i			5.6E+00	i			y		924-16-3	N-Nitrosodi-n-butylamine	2.4E-02	ca	5.8E-02	ca	1.2E-03	ca	2.0E-03	ca		
2.8E+00	i			2.8E+00	r				0.1	1116-54-7	N-Nitrosodiethanolamine	1.7E-01	ca	6.2E-01	ca	2.4E-03	ca	2.4E-02	ca		
1.5E+02	i			1.5E+02	r				0.1	55-18-5	N-Nitrosodiethylamine	3.2E-03	ca	1.1E-02	ca	4.5E-05	ca	4.5E-04	ca		
5.1E+01	i	8.0E-06	p	4.9E+01	i	8.0E-05	r		0.1	62-75-9	N-Nitrosodimethylamine	9.5E-03	ca*	3.4E-02	ca	1.4E-04	ca	1.3E-03	ca		
4.9E-03	i	2.0E-02	p	4.9E-03	r	2.0E-02	r		0.1	86-30-6	N-Nitrosodiphenylamine	9.9E+01	ca*	3.5E+02	ca*	1.4E+00	ca*	1.4E+01	ca*	1.0E+00	6.0E-02
7.0E+00	i			7.0E+00	r				0.1	621-64-7	N-Nitroso di-n-propylamine	6.9E-02	ca	2.5E-01	ca	9.6E-04	ca	9.6E-03	ca	5.0E-05	2.0E-06

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation i=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc=Noncancer PRG ca* (where: nc PRG < 100X ca PRG) ca** (where nc PRG < 10X ca PRG) ++++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES											CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
2.2E+01	i			2.2E+01	r				0.1	10595-95-6	N-Nitroso-N-methylethylamine	2.2E-02	ca	7.8E-02	ca	3.1E-04	ca	3.1E-03	ca		
2.1E+00	i			2.1E+00	i				0.1	930-55-2	N-Nitrosopyrrolidine	2.3E-01	ca	8.2E-01	ca	3.1E-03	ca	3.2E-02	ca		
		2.0E-02	p			2.0E-02	r	y		99-08-1	m-Nitrotoluene	7.3E+02	nc	1.0E+03	sat	7.3E+01	nc	1.2E+02	nc		
2.3E-01	p	1.0E-02	h	2.3E-01	r	1.0E-02	r	y		88-72-2	o-Nitrotoluene	6.8E-01	ca	2.2E+00	ca	2.9E-02	ca	4.9E-02	ca		
1.7E-02	p	1.0E-02	p	1.7E-02	r	1.0E-02	r	y		99-99-0	p-Nitrotoluene	1.2E+01	ca*	3.0E+01	ca*	4.0E-01	ca*	6.6E-01	ca*		
		4.0E-02	i			4.0E-02	r		0.1	27314-13-2	Norflurazon	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
		7.0E-04	i			7.0E-04	r		0.1	84509-19-9	NuStar	4.3E+01	nc	4.3E+02	nc	2.6E+00	nc	2.6E+01	nc		
		3.0E-03	i			3.0E-03	r		0.1	32536-52-0	Octabromodiphenyl ether	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.0E-03	h			2.0E-03	r		0.1	152-16-9	Octamethylpyrophosphoramide	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		5.0E-02	i			5.0E-02	r		0.1	19044-88-3	Oryzalin	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		5.0E-03	i			5.0E-03	r		0.1	19666-30-9	Oxadiazon	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.5E-02	i			2.5E-02	r		0.1	23135-22-0	Oxamyl	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-03	i			3.0E-03	r		0.1	42874-03-3	Oxyfluorfen	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		1.3E-02	i			1.3E-02	r		0.1	75736-62-0	Paclobutrazol	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		4.5E-03	i			4.5E-03	r		0.1	4685-14-7	Paraquat	2.7E+02	nc	2.8E+03	nc	1.6E+01	nc	1.6E+02	nc		
		6.0E-03	h			6.0E-03	r		0.1	56-38-2	Parathion	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
		5.0E-02	h			5.0E-02	r		0.1	1114-71-2	Pebulate	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-02	i			4.0E-02	r		0.1	40487-42-1	Pendimethalin	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
2.3E-02	h			2.3E-02	r				0.1	87-84-3	Pentabromo-6-chloro cyclohexane	2.1E+01	ca	7.5E+01	ca	2.9E-01	ca	2.9E+00	ca		
		2.0E-03	i			2.0E-03	r		0.1	32534-81-9	Pentabromodiphenyl ether	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		8.0E-04	i			8.0E-04	r		0.1	608-93-5	Pentachlorobenzene	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
2.6E-01	h	3.0E-03	i	2.6E-01	r	3.0E-03	r		0.1	82-68-8	Pentachloronitrobenzene	1.9E+00	ca*	6.6E+00	ca	2.6E-02	ca	2.6E-01	ca		
1.2E-01	i	3.0E-02	i	1.2E-01	r	3.0E-02	r		0.25	87-86-5	Pentachlorophenol	3.0E+00	ca	9.0E+00	ca	5.6E-02	ca	5.6E-01	ca	3.0E-02	1.0E-03
		1.0E-04	n							7601-90-3	Perchlorate	7.8E+00	ca/nc	1.0E+02	ca/nc			3.6E+00	ca/nc		
		5.0E-02	i			5.0E-02	r		0.1	52645-53-1	Permethrin	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		2.5E-01	i			2.5E-01	r		0.1	13684-63-4	Phenmedipham	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		3.0E-01	i			3.0E-01	r		0.1	108-95-2	Phenol	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc	1.0E+02	5.0E+00
		2.0E-03	n			2.0E-03	r		0.1	92-84-2	Phenothiazine	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		6.0E-03	i			6.0E-03	r		0.1	108-45-2	m-Phenylenediamine	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
4.7E-02	h			4.7E-02	r				0.1	95-54-5	o-Phenylenediamine	1.0E+01	ca	3.7E+01	ca	1.4E-01	ca	1.4E+00	ca		
		1.9E-01	h			1.9E-01	r		0.1	106-50-3	p-Phenylenediamine	1.2E+04	nc	1.0E+05	max	6.9E+02	nc	6.9E+03	nc		
		8.0E-05	i			8.0E-05	r		0.1	62-38-4	Phenylmercuric acetate	4.9E+00	nc	4.9E+01	nc	2.9E-01	nc	2.9E+00	nc		
1.9E-03	h			1.9E-03	r				0.1	90-43-7	2-Phenylphenol	2.5E+02	ca	8.9E+02	ca	3.5E+00	ca	3.5E+01	ca		
		2.0E-04	h			2.0E-04	r		0.1	298-02-2	Phorate	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
		2.0E-02	i			2.0E-02	r		0.1	732-11-6	Phosmet	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		3.0E-04	i			8.6E-05	i		0.1	7803-51-2	Phosphine	1.8E+01	nc	1.8E+02	nc	3.1E-01	nc	1.1E+01	nc		
						2.9E-03	i			7664-38-2	Phosphoric acid					1.0E+01	nc				
		2.0E-05	i							7723-14-0	Phosphorus (white)	1.6E+00	nc	2.0E+01	nc			7.3E-01	nc		
		1.0E+00	h			1.0E+00	r		0.1	100-21-0	p-Phthalic acid	6.1E+04	nc	1.0E+05	max	3.7E+03	nc	3.6E+04	nc		
		2.0E+00	i			3.4E-02	h		0.1	85-44-9	Phthalic anhydride	1.0E+05	max	1.0E+05	max	1.2E+02	nc	7.3E+04	nc		
		7.0E-02	i			7.0E-02	r		0.1	1918-02-1	Picloram	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		1.0E-02	i			1.0E-02	r		0.1	29232-93-7	Pirimiphos-methyl	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		

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TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.9E+00	h	7.0E-06	h	8.9E+00	r	7.0E-06	r		0.1		Polybrominated biphenyls	5.5E-02	ca**	1.9E-01	ca*	7.6E-04	ca*	7.6E-03	ca*		
											Polychlorinated biphenyls (PCBs, see IRIS)										
7.0E-02	i	7.0E-05	i	7.0E-02	i	7.0E-05	r		0.14	12674-11-2	PCBs (unspecified mixture, low risk, e.g. Aroclor 1016)	3.9E+00	nc	2.1E+01	ca**	9.6E-02	ca**	9.6E-01	ca**		
2.0E+00	i	2.0E-05	i	2.0E+00	i	2.0E-05	r		0.14	11097-69-1	PCBs (unspecified mixture, high risk, e.g. Aroclor 1254)	2.2E-01	ca**	7.4E-01	ca*	3.4E-03	ca*	3.4E-02	ca*		
4.5E+00	n			4.5E+00	r				0.1	61788-33-8	Polychlorinated terphenyls	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca		
											Polynuclear aromatic hydrocarbons (PAHs)										
		6.0E-02	i			6.0E-02	r	y		83-32-9	Acenaphthene	3.7E+03	nc	2.9E+04	nc	2.2E+02	nc	3.7E+02	nc	5.7E+02	2.9E+01
		3.0E-01	i			3.0E-01	r	y		120-12-7	Anthracene	2.2E+04	nc	1.0E+05	max	1.1E+03	nc	1.8E+03	nc	1.2E+04	5.9E+02
7.3E-01	n			7.3E-01	r				0.13	56-55-3	Benz[a]anthracene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	2.0E+00	8.0E-02
7.3E-01	n			7.3E-01	r				0.13	205-99-2	Benzo[b]fluoranthene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	5.0E+00	2.0E-01
7.3E-02	n			7.3E-02	r				0.13	207-08-9	Benzo[k]fluoranthene	6.2E+00	ca	2.1E+01	ca	9.2E-02	ca	9.2E-01	ca	4.9E+01	2.0E+00
1.2E+00	c			3.9E-01	c				0.13	207-08-9	"CAL-Modified PRG"	3.8E-01	ca	1.3E+00	ca	1.7E-02	ca	5.6E-02	ca		
7.3E+00	i			7.3E+00	r				0.13	50-32-8	Benzo[a]pyrene	6.2E-02	ca	2.1E-01	ca	9.2E-04	ca	9.2E-03	ca	8.0E+00	4.0E-01
7.3E-03	n			7.3E-03	r				0.13	218-01-9	Chrysene	6.2E+01	ca	2.1E+02	ca	9.2E-01	ca	9.2E+00	ca	1.6E+02	8.0E+00
1.2E-01	c			3.9E-02	c				0.13		"CAL-Modified PRG"	3.8E+00	ca	1.3E+01	ca	1.7E-01	ca	5.6E-01	ca		
7.3E+00	n			7.3E+00	r				0.13	53-70-3	Dibenz[ah]anthracene	6.2E-02	ca	2.1E-01	ca	9.2E-04	ca	9.2E-03	ca	2.0E+00	8.0E-02
		4.0E-02	i			4.0E-02	r		0.13	206-44-0	Fluoranthene	2.3E+03	nc	2.2E+04	nc	1.5E+02	nc	1.5E+03	nc	4.3E+03	2.1E+02
		4.0E-02	i			4.0E-02	r	y		86-73-7	Fluorene	2.7E+03	nc	2.6E+04	nc	1.5E+02	nc	2.4E+02	nc	5.6E+02	2.8E+01
7.3E-01	n			7.3E-01	r				0.13	193-39-5	Indeno[1,2,3-cd]pyrene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	1.4E+01	7.0E-01
		2.0E-02	i			8.6E-04	i	y		91-20-3	Naphthalene	5.6E+01	nc	1.9E+02	nc	3.1E+00	nc	6.2E+00	nc	8.4E+01	4.0E+00
1.2E-01	r			1.2E-01	c						"CAL-Modified PRG"	1.7E+00	ca	4.2E+00	ca	5.6E-02	ca	9.3E-02	ca		
		3.0E-02	i			3.0E-02	r	y		129-00-0	Pyrene	2.3E+03	nc	2.9E+04	nc	1.1E+02	nc	1.8E+02	nc	4.2E+03	2.1E+02
1.5E-01	i	9.0E-03	i	1.5E-01	r	9.0E-03	r		0.1	67747-09-5	Prochloraz	3.2E+00	ca	1.1E+01	ca	4.5E-02	ca	4.5E-01	ca		
		6.0E-03	h			6.0E-03	r		0.1	26399-36-0	Profluralin	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
		1.5E-02	i			1.5E-02	r		0.1	1610-18-0	Prometon	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		4.0E-03	i			4.0E-03	r		0.1	7287-19-6	Prometryn	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		7.5E-02	i			7.5E-02	r		0.1	23950-58-5	Pronamide	4.6E+03	nc	4.6E+04	nc	2.7E+02	nc	2.7E+03	nc		
		1.3E-02	i			1.3E-02	r		0.1	1918-16-7	Propachlor	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		5.0E-03	i			5.0E-03	r		0.1	709-98-8	Propanil	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	i			2.0E-02	r		0.1	2312-35-8	Propargite	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-03	i			2.0E-03	r		0.1	107-19-7	Propargyl alcohol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		2.0E-02	i			2.0E-02	r		0.1	139-40-2	Propazine	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	i			2.0E-02	r		0.1	122-42-9	Propham	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.3E-02	i			1.3E-02	r		0.1	60207-90-1	Propiconazole	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
										98-82-8	Isopropylbenzene (see Cumene)										
		4.0E-02	n			4.0E-02	r	y		103-65-1	n-Propylbenzene	2.4E+02	sat	2.4E+02	sat	1.5E+02	nc	2.4E+02	nc		
		5.0E-01	p			8.6E-04	p		0.1	57-55-6	Propylene glycol	3.0E+04	nc	1.0E+05	max	3.1E+00	nc	1.8E+04	nc		
		7.0E-01	h			7.0E-01	r		0.1	52125-53-8	Propylene glycol, monoethyl ether	4.3E+04	nc	1.0E+05	max	2.6E+03	nc	2.6E+04	nc		
		7.0E-01	h			5.7E-01	i		0.1	107-98-2	Propylene glycol, monomethyl ether	4.3E+04	nc	1.0E+05	max	2.1E+03	nc	2.6E+04	nc		
2.4E-01	i	8.6E-03	r	1.3E-02	i	8.6E-03	i	y		75-56-9	Propylene oxide	1.9E+00	ca*	6.6E+00	ca*	5.2E-01	ca*	2.2E-01	ca		
		2.5E-01	i			2.5E-01	r		0.1	81335-77-5	Pursuit	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		2.5E-02	i			2.5E-02	r		0.1	51630-58-1	Pydrin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		

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TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		1.0E-03	i			1.0E-03	r		0.1	110-86-1	Pyridine	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		5.0E-04	i			5.0E-04	r		0.1	13593-03-8	Quinalphos	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
3.0E+00	i			3.0E+00	r				0.1	91-22-5	Quinoline	1.6E-01	ca	5.7E-01	ca	2.2E-03	ca	2.2E-02	ca		
1.1E-01	i	3.0E-03	i	1.1E-01	r	3.0E-03	r		0.1	121-82-4	RDX (Cyclonite)	4.4E+00	ca*	1.6E+01	ca	6.1E-02	ca	6.1E-01	ca		
		3.0E-02	i			3.0E-02	r		0.1	10453-86-8	Resmethrin	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		5.0E-02	h			5.0E-02	r		0.1	299-84-3	Ronnel	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-03	i			4.0E-03	r		0.1	83-79-4	Rotenone	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		2.5E-02	i			2.5E-02	r		0.1	78587-05-0	Savey	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		5.0E-03	i						0.1	7783-00-8	Selenious Acid	3.1E+02	nc	3.1E+03	nc			1.8E+02	nc		
		5.0E-03	i							7782-49-2	Selenium	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc	5.0E+00	3.0E-01
		5.0E-03	h						0.1	630-10-4	Selenourea	3.1E+02	nc	3.1E+03	nc			1.8E+02	nc		
		9.0E-02	i			9.0E-02	r		0.1	74051-80-2	Sethoxydim	5.5E+03	nc	5.5E+04	nc	3.3E+02	nc	3.3E+03	nc		
		5.0E-03	i							7440-22-4	Silver and compounds	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc	3.4E+01	2.0E+00
1.2E-01	h	5.0E-03	i	1.2E-01	r	5.00E-03	r		0.1	122-34-9	Simazine	4.1E+00	ca*	1.4E+01	ca	5.6E-02	ca	5.6E-01	ca		
		4.0E-03	i							26628-22-8	Sodium azide										
2.7E-01	h	3.0E-02	i	2.7E-01	r	3.0E-02	r		0.1	148-18-5	Sodium diethyldithiocarbamate	1.8E+00	ca	6.4E+00	ca	2.5E-02	ca	2.5E-01	ca		
		2.0E-05	i			2.0E-05	r		0.1	62-74-8	Sodium fluoroacetate	1.2E+00	nc	1.2E+01	nc	7.3E-02	nc	7.3E-01	nc		
		1.0E-03	h			1.0E-03	r		0.1	13718-26-8	Sodium metavanadate	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		6.0E-06	i							7440-24-6	Strontium, stable	4.7E+04	nc	1.0E+05	max			2.2E+04	nc		
		3.0E-04	i			3.0E-04	r		0.1	57-24-9	Strychnine	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		2.0E-01	i			2.9E-01	i	y		100-42-5	Styrene	1.7E+03	sat	1.7E+03	sat	1.1E+03	nc	1.6E+03	nc	4.0E+00	2.0E-01
		5.0E-03	p			5.0E-03	r			80-07-9	1,1'-Sulfonylbis (4-chlorobenzene)	3.9E+02	nc	5.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.5E-02	i			2.5E-02	r		0.1	80571-79-0	Systhane	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
1.5E+05	h			1.5E+05	h				0.03	1746-01-6	2,3,7,8-TCDD (dioxin)	3.9E-06	ca	1.6E-05	ca	4.5E-08	ca	4.5E-07	ca		
		7.0E-02	i			7.0E-02	r		0.1	34014-18-1	Tebuthiuron	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		2.0E-02	h			2.0E-02	r		0.1	3383-96-8	Temephos	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.3E-02	i			1.3E-02	r		0.1	5902-51-2	Terbacil	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		2.5E-05	h			2.5E-05	r		0.1	13071-79-9	Terbufos	1.5E+00	nc	1.5E+01	nc	9.1E-02	nc	9.1E-01	nc		
		1.0E-03	i			1.0E-03	r		0.1	886-50-0	Terbutryn	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		3.0E-04	i			3.0E-04	r		0.1	95-94-3	1,2,4,5-Tetrachlorobenzene	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
2.6E-02	i	3.0E-02	i	2.6E-02	i	3.0E-02	r	y		630-20-6	1,1,1,2-Tetrachloroethane	3.2E+00	ca	7.3E+00	ca	2.6E-01	ca	4.3E-01	ca		
2.0E-01	i	6.0E-02	p	2.0E-01	i	6.0E-02	r	y		79-34-5	1,1,2,2-Tetrachloroethane	4.1E-01	ca	9.3E-01	ca	3.3E-02	ca	5.5E-02	ca	3.0E-03	2.0E-04
5.4E-01	c	1.0E-02	i	2.1E-02	c	1.0E-02	c	y		127-18-4	Tetrachloroethylene (PCE)	4.8E-01	ca*	1.3E+00	ca	3.2E-01	ca	1.0E-01	ca	6.0E-02	3.0E-03
		3.0E-02	i			3.0E-02	r		0.1	58-90-2	2,3,4,6-Tetrachlorophenol	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
2.0E+01	h			2.0E+01	r				0.1	5216-25-1	p,a,a,a-Tetrachlorotoluene	2.4E-02	ca	8.6E-02	ca	3.4E-04	ca	3.4E-03	ca		
2.4E-02	h	3.0E-02	i	2.4E-02	r	3.0E-02	r		0.1	961-11-5	Tetrachlorovinphos	2.0E+01	ca*	7.2E+01	ca	2.8E-01	ca	2.8E+00	ca		
		5.0E-04	i			5.0E-04	r		0.1	3689-24-5	Tetraethyldithiopyrophosphate	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
7.8E-03	n	2.1E-01	n	8.8E-03	n	8.6E-02	n	y		109-99-9	Tetrahydrofuran	9.4E+00	ca	2.1E+01	ca	9.9E-01	ca	1.6E+00	ca		
		6.6E-05	h							7440-28-0	Thallium and compounds+++	5.2E+00	nc	6.7E+01	nc			2.4E+00	nc		
		1.0E-02	i			1.0E-02	r		0.1	23949-77-6	Thiobencarb	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-02	n			5.0E-02	r		0.1	N/A	Thiocyanate	3.1E+03	nc	1.0E+05	max	1.8E+02	nc	1.8E+03	nc		
		3.0E-04	h			3.0E-04	r		0.1	39196-18-4	Thiofanox	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		

Key : SFo,i=Cancer Slope Factor oral, inhalation RfDo,i=Reference Dose oral, inhalation I=IRIS p=PPRTV c=California EPA n=NCEA h=HEAST x=Withdrawn r=Route-extrapolation ca=Cancer PRG nc= Noncancer PRG ca* (where nc PRG < 100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling Limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin sks. sols	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		8.0E-02	i			8.0E-02	r		0.1	23564-05-8	Thiophanate-methyl	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		5.0E-03	i			5.0E-03	r		0.1	137-26-8	Thiram	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		6.0E-01	h							7440-31-5	Tin (inorganic, also see tributyltin oxide)	4.7E+04	nc	1.0E+05	max			2.2E+04	nc		
		4.0E+00	n			8.6E-03	n			7440-32-6	Titanium	1.0E+05	max	1.0E+05	max	3.1E+01	nc	1.5E+05	nc		
		2.0E-01	i			1.1E-01	i	y		108-88-3	Toluene	5.2E+02	sat	5.2E+02	sat	4.0E+02	nc	7.2E+02	nc	1.2E+01	6.0E-01
3.2E+00	h			3.2E+00	p				0.1	95-80-7	Toluene-2,4-diamine	1.5E-01	ca	5.4E-01	ca	2.1E-03	ca	2.1E-02	ca		
		6.0E-01	h			6.0E-01	r		0.1	95-70-5	Toluene-2,5-diamine	3.7E+04	nc	1.0E+05	max	2.2E+03	nc	2.2E+04	nc		
		2.0E-01	h			2.0E-01	r		0.1	823-40-5	Toluene-2,6-diamine	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
1.9E-01	i			1.9E-01	r				0.1	106-49-0	p-Toluidine	2.6E+00	ca	9.1E+00	ca	3.5E-02	ca	3.5E-01	ca		
1.1E+00	I			1.1E+00	i				0.1	8001-35-2	Toxaphene	4.4E-01	ca	1.6E+00	ca	6.0E-03	ca	6.1E-02	ca	3.1E+01	2.0E+00
		7.5E-03	I			7.5E-03	r		0.1	66841-25-6	Tralomethrin	4.6E+02	nc	4.6E+03	nc	2.7E+01	nc	2.7E+02	nc		
		1.3E-02	i			1.3E-02	r		0.1	2303-17-5	Triallate	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		1.0E-02	i			1.0E-02	r		0.1	82097-50-5	Triasulfuron	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-03	I			5.0E-03	r		0.1	615-54-3	1,2,4-Tribromobenzene	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
9.2E-03	p	2.0E-01	p	9.2E-03	r	2.0E-01	r		0.1	126-73-8	Tributyl phosphate	5.3E+01	ca	1.9E+02	ca	7.3E-01	ca	7.3E+00	ca		
		3.0E-04	i						0.1	56-35-9	Tributyltin oxide (TBTO)	1.8E+01	nc	1.8E+02	nc			1.1E+01	nc		
3.4E-02	h			3.4E-02	r				0.1	634-93-5	2,4,6-Trichloroaniline	1.4E+01	ca	5.1E+01	ca	2.0E-01	ca	2.0E+00	ca		
2.9E-02	h			2.9E-02	r				0.1	33663-50-2	2,4,6-Trichloroaniline hydrochloride	1.7E+01	ca	5.9E+01	ca	2.3E-01	ca	2.3E+00	ca		
		1.0E-02	i			1.0E-03	p	y		120-82-1	1,2,4-Trichlorobenzene	6.2E+01	nc	2.2E+02	nc	3.7E+00	nc	7.2E+00	nc	5.0E+00	3.0E-01
		2.8E-01	n			6.3E-01	p	y		71-55-6	1,1,1-Trichloroethane	1.2E+03	sat	1.2E+03	sat	2.3E+03	nc	3.2E+03	nc	2.0E+00	1.0E-01
5.7E-02	i	4.0E-03	I	5.6E-02	I	4.0E-03	r	y		79-00-5	1,1,2-Trichloroethane	7.3E-01	ca*	1.6E+00	ca*	1.2E-01	ca	2.0E-01	ca	2.0E-02	9.0E-04
4.0E-01	n	3.0E-04	n	4.0E-01	n	1.0E-02	n	y		79-01-6	Trichloroethylene (TCE)	5.3E-02	ca	1.1E-01	ca	1.7E-02	ca	2.8E-02	ca	6.0E-02	3.0E-03
1.3E-02	c			7.0E-03	c	1.7E-01	c	y		79-01-6	"CAL-Modified PRG"	2.9E+00	ca	6.5E+00	ca	9.6E-01	ca	1.4E+00	ca		
		3.0E-01	i			2.0E-01	h	y		75-69-4	Trichlorofluoromethane	3.9E+02	nc	2.0E+03	sat	7.3E+02	nc	1.3E+03	nc		
		1.0E-01	I			1.0E-01	r		0.1	95-95-4	2,4,5-Trichlorophenol	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc	2.7E+02	1.4E+01
1.1E-02	i	1.0E-04	n	1.1E-02	I	1.0E-04	r		0.1	88-06-2	2,4,6-Trichlorophenol	6.1E+00	nc**	6.2E+01	nc**	3.7E-01	nc**	3.6E+00	nc**	2.0E-01	8.0E-03
7.0E-02	c			7.0E-02	c				0.1	88-06-2	"CAL-Modified PRG"	6.9E+00	ca	2.5E+01	ca	9.6E-02	ca	9.6E-01	ca		
		1.0E-02	i			1.0E-02	r		0.1	93-76-5	2,4,5-Trichlorophenoxyacetic Acid	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		8.0E-03	i			8.0E-03	r		0.1	93-72-1	2-(2,4,5-Trichlorophenoxy) propionic acid	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		5.0E-03	I			5.0E-03	r	y		598-77-6	1,1,2-Trichloropropane	7.1E+01	nc	2.7E+02	nc	1.8E+01	nc	3.0E+01	nc		
2.0E+00	n	6.0E-03	i	2.0E+00	r	1.4E-03	n	y		96-18-4	1,2,3-Trichloropropane	3.4E-02	ca	7.6E-02	ca	3.4E-03	ca	5.6E-03	ca		
		1.0E-02	p			3.0E-04	p	y		96-19-5	1,2,3-Trichloropropene	5.2E+00	nc	1.7E+01	nc	1.1E+00	nc	2.2E+00	nc		
		3.0E-03	i			3.0E-03	r		0.1	58138-08-2	Tridiphane	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.0E-03	r			2.0E-03	I	y		121-44-8	Triethylamine	2.3E+01	nc	8.6E+01	nc	7.3E+00	nc	1.2E+01	nc		
7.7E-03	I	7.5E-03	i	7.7E-03	r	7.5E-03	r		0.1	1582-09-8	Trifluralin	6.3E+01	ca**	2.2E+02	ca*	8.7E-01	ca*	8.7E+00	ca*		
		1.4E-04	r			1.4E-04	n		0.1	552-30-7	Trimellitic Anhydride (TMAN)	8.6E+00	nc	8.6E+01	nc	5.1E-01	nc	5.1E+00			
		5.0E-02	p			1.7E-03	p	y		95-63-6	1,2,4-Trimethylbenzene	5.2E+01	nc	1.7E+02	nc	6.2E+00	nc	1.2E+01	nc		
		5.0E-02	p			1.7E-03	p	y		108-67-8	1,3,5-Trimethylbenzene	2.1E+01	nc	7.0E+01	nc	6.2E+00	nc	1.2E+01	nc		
3.7E-02	h			3.7E-02	r				0.1	512-56-1	Trimethyl phosphate	1.3E+01	ca	4.7E+01	ca	1.8E-01	ca	1.8E+00	ca		
		3.0E-02	i			3.0E-02	r		0.1	99-35-4	1,3,5-Trinitrobenzene	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		1.0E-02	h			1.0E-02	r		0.1	479-45-8	Trinitrophenylmethylnitramine	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
3.0E-02	i	5.0E-04	i	3.0E-02	r	5.0E-04	r		0.1	118-96-7	2,4,6-Trinitrotoluene	1.6E+01	ca**	5.7E+01	ca**	2.2E-01	ca**	2.2E+00	ca**		

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TOXICITY VALUES										CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Ground Water"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C	skin abs. sat's	CAS No.	Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.0E-02	p			2.0E-02	r		0.1	791-28-6	Triphenylphosphine oxide	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
1.4E-02	p	3.1E-01	p	1.4E-02	r	3.1E-01	r		0.1	115-96-8	Tris(2-chloroethyl) phosphate	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
3.2E-03	p	1.0E-01	p	3.2E-03	r	1.0E-01	r		0.1	78-42-2	Tris(2-ethylhexyl) phosphate	1.5E+02	ca*	5.4E+02	ca	2.1E+01	ca	2.1E+01	ca		
		2.0E-04	n							7440-61-1	Uranium (chemical toxicity only)	1.6E+01	nc	2.0E+02	nc			7.3E+00	nc		
		1.0E-03	n							7440-62-2	Vanadium and compounds	7.8E+01	nc	1.0E+03	nc			3.6E+01	nc	6.0E+03	3.0E+02
		1.0E-03	i			1.0E-03	r		0.1	1929-77-7	Vernam	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.5E-02	i			2.5E-02	r		0.1	50471-44-8	Vinclozolin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		1.0E+00	h			5.7E-02	i	y		108-05-4	Vinyl acetate	4.3E+02	nc	1.4E+03	nc	2.1E+02	nc	4.1E+02	nc	1.7E+02	8.0E+00
1.1E-01	r	8.6E-04	r	1.1E-01	h	8.6E-04	i	y		593-60-2	Vinyl bromide (bromoethene)	1.9E-01	ca*	4.2E-01	ca*	6.1E-02	ca*	1.0E-01	ca*		
1.5E+00	i	3.0E-03	i	3.1E-02	i	2.9E-02	i	y		75-01-4	Vinyl chloride (child/adult)+++	7.9E-02	ca			1.1E-01	ca	2.0E-02	ca	1.0E-02	7.0E-04
7.5E-01	i	3.0E-03	i	1.6E-02	i	2.9E-02	i	y		75-01-4	Vinyl chloride (adult)			7.5E-01	ca						
		3.0E-04	i			3.0E-04	r		0.1	81-81-2	Warfarin	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		2.0E-01	i			2.9E-02	i	y	0.1	1330-20-7	Xylenes	2.7E+02	nc	4.2E+02	sat	1.1E+02	nc	2.1E+02	nc	2.1E+02	1.0E+01
		3.0E-01	i							7440-66-6	Zinc	2.3E+04	nc	1.0E+05	max			1.1E+04	nc	1.2E+04	6.2E+02
		3.0E-04	i							1314-84-7	Zinc phosphide	2.3E+01	nc	3.1E+02	nc			1.1E+01	nc		
		5.0E-02	i			5.0E-02	r		0.1	12122-67-7	Zineb	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		

Executive Summary

Risk-based screening levels (RBSLs) for soil and groundwater are presented for over 100 chemicals commonly found at sites impacted by releases of hazardous substances. The RBSLs are considered to be conservative. Under most circumstances, and within the limitations described, the presence of a chemical in soil or groundwater at concentrations below the corresponding RBSL can be assumed to not pose a significant threat to human health and the environment. Additional evaluation will generally be necessary at sites where a chemical is present at concentrations above the corresponding RBSLs. Active remediation may or may not be required, however, depending on site-specific conditions and considerations. This document may especially be beneficial for use at sites with limited impacts, where the preparation of a more formal risk assessment may not be warranted or feasible due to time and cost constraints.

The RBSLs were developed to address environmental protection goals presented in the *Water Quality Control Plan for the San Francisco Bay Basin* ("Basin Plan," RWQCBSF 1995) of the San Francisco Bay Area Regional Water Quality Control Board (RWQCB). These goals include:

Surface Water and Groundwater:
- Protection of drinking water resources;
- Protection of aquatic biota;
- Protection against adverse nuisance conditions.

Soil:
- Protection of human health;
- Protection of groundwater;
- Protection of terrestrial biota;
- Protection against adverse nuisance conditions.

The RBSLs are presented in a series of four lookup tables. Each table reflects a specific combination of soil, groundwater and land-use characteristics that strongly influence the magnitude of environmental risk at a given site. This allows the user to select RBSLs that are most applicable to a given site.

The RBSL document presents a "tiered" approach to environmental risk assessments. Under "Tier 1", sample data are directly compared to RBSLs selected for the site and decisions are made regarding the need for additional site investigation, remedial action or a more detailed risk assessment. In a "Tier 2" risk assessment, a selected component(s) of the Tier 1 RBSLs is modified with respect to site-specific considerations. An example may be the adjustment of a screening level for direct exposure with respect to an approved, alternative target risk level. Site data are then compared to the revised screening level as well as the remaining, unmodified components of the Tier 1 RBSLs. This provides an intermediate but still relatively rapid and cost-effective option for preparing more site-specific risk assessments. Risk assessment models and assumptions

that depart significantly depart from those used to develop the Tier 1 RBSLs are described in a more traditional, "Tier 3" risk assessment. The Tier 1 methodology can, however, still provide a common platform to initiate a Tier 3 risk assessment and help ensure that all potentially significant environmental concerns are considered.

The Tier 1 RBSLs presented in the lookup tables are NOT regulatory "cleanup standards". Use of the RBSLs and this document in general is intended to be entirely optional on the part of the regulated facility and subject to the approval of the case manager in the overseeing regulatory agency. The presence of a chemical at concentrations in excess of an RBSL does not necessarily indicate that adverse impacts to human health or the environment are occurring; this simply indicates that a potential for adverse risk may exist and that additional evaluation is warranted. RBSLs presented for chemicals that are known to be highly biodegradable in the environment may in particular be overly conservative for use as final cleanup levels (e.g., many petroleum-related compounds). Use of the RBSLs as cleanup levels should be evaluated in view of the overall site investigation results and the cost/benefit of performing a more site-specific risk assessment.

Reliance on only the Tier 1 RBSLs to identify potential environmental concerns may not be appropriate for some sites. Examples include sites that require a detailed discussion of potential risks to human health, sites where physical conditions differ drastically from those assumed in development of the RBSLs (e.g., mine sites, landfills, etc., with excessively high or low pH) and sites where impacts pose heightened threats to sensitive ecological habitats. The latter could include sites that are adjacent to wetlands, streams, rivers, lakes, ponds or marine shoreline or sites that otherwise contain or border areas where protected or endangered species may be present. Potential impacts to sediment are also not addressed. (e.g., presence of endangered or protected species). The need for a detailed ecological risk assessment should be evaluated on a site-by-site basis for areas where significant concerns may exist. Notification to the Natural Resource Trustee Agencies (including the state Department of Toxics Substances Control and Department of Fish and Game and the federal Fish and Wildlife Service, Department of the Interior and National Oceanic and Atmospheric Administration) may also be required, particularly if the release of a hazardous substance may impact surface waters.

The RBSLs should NOT be used to determine when impacts at a site should be reported to a regulatory agency. All releases of hazardous substances to the environment should be reported to the appropriate regulatory agency in accordance with governing regulations. The lookup tables will be updated on a regular basis, as needed, in order to reflect changes in the referenced sources as well as lessons gained from site investigations and field observations.

TABLE A. SURFACE SOIL (≤3m bgs) AND GROUNDWATER RISK-BASED SCREENING LEVELS (RBSLs)
(Groundwater IS a Current or Potential Source of Drinking Water)

	SURFACE SOIL RBSLs		GROUNDWATER RBSLs	
CHEMICAL PARAMETER	Residential Land Use Permitted (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	Drinking Water Resource Threatened (ug/L)	Elevated Threat To Surface Water (ug/L)
ACENAPHTHENE	16	16	20	-
ACENAPHTHYLENE	120	120	280	-
ACETONE	0.24	0.24	700	-
ALDRIN	0.029	0.15	0.002	0.00014
ANTHRACENE	2.9	2.9	0.73	-
ANTIMONY	6.3	40	6.0	-
ARSENIC	0.39	2.7	36	-
BARIUM	750	1500	3.9	-
BENZENE	0.045	0.045	1.0	-
BENZO(a)ANTHRACENE	0.38	1.8	0.029	-
BENZO(b)FLUORANTHENE	0.38	1.8	0.029	-
BENZO(k)FLUORANTHENE	0.38	1.8	0.029	0.049
BENZO(g,h,i)PERYLENE	5.3	5.3	0.02	-
BENZO(a)PYRENE	0.038	0.18	0.014	-
BERYLLIUM	4.0	8.0	4.0	-
BIPHENYL, 1,1-	0.65	0.65	0.50	-
BIS(2-CHLOROETHYL)ETHER	0.0002	0.0002	0.014	-
BIS(2-CHLOROISOPROPYL)ETHER	0.005	0.005	0.50	-
BIS(2-ETHYLHEXYL)PHTHALATE	160	200	12	-
BORON	1.6	2.0	1.6	-
BROMODICHLOROMETHANE	0.025 (0.48)	0.098 (1.1)	100	-
BROMOFORM	2.2	2.2	100	-
BROMOMETHANE	0.38 (0.39)	0.39	9.8	-
CADMIUM	1.7	12	1.1	-
CARBON TETRACHLORIDE	0.021 (0.059)	0.074 (0.11)	0.50	-
CHLORDANE	0.44	2.9	0.004	0.00059
CHLOROANILINE, p-	0.11	0.11	10	-
CHLOROBENZENE	3.0	3.0	50	-
CHLOROETHANE	0.85	0.85	12	-
CHLOROFORM	0.079	0.26	28	-
CHLOROMETHANE	0.42	0.42	2.7	-
CHLOROPHENOL, 2-	0.012	0.012	0.18	-
CHROMIUM (Total - assumes 1/6 ratio Cr6/Cr3)	13	13	50	-
CHROMIUM III	750	750	180	-
CHROMIUM VI	1.8	1.8	11	-
CHRYSENE	3.8	18	0.29	0.049
COBALT	40	80	3.0	-
COPPER	225	225	3.1	-
CYANIDE (Free)	100	500	1.0	-
DIBENZO(a,h)ANTHTRACENE	0.11	0.51	0.0085	0.049
DIBROMOCHLOROMETHANE	0.98	2.3	100	46
1,2-DIBROMO-3-CHLOROPROPANE	0.001	0.001	0.20	-
DIBROMOETHANE, 1,2-	0.0003	0.0003	0.05	-
DICHLOROBENZENE, 1,2-	0.75	0.75	10	-
DICHLOROBENZENE, 1,3-	0.47	0.47	6.3	-

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(Groundwater IS a Current or Potential Source of Drinking Water)

	SURFACE SOIL RBSLs		GROUNDWATER RBSLs	
CHEMICAL PARAMETER	Residential Land Use Permitted (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	Drinking Water Resource Threatened (ug/L)	Elevated Threat To Surface Water (ug/L)
DICHLOROBENZENE, 1,4-	0.13 (0.59)	0.49 (0.59)	5.0	-
DICHLOROBENZIDINE, 3,3-	0.008	0.008	0.029	0.077
DICHLORODIPHENYLDICHLOROETHANE (DDD)	2.4	17	0.06	0.00084
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	1.7	4.0	0.10	0.00059
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	1.7	4.0	0.001	0.00059
DICHLOROETHANE, 1,1-	0.22	0.22	5.0	-
DICHLOROETHANE, 1,2-	0.006	0.006	0.50	-
DICHLOROETHYLENE, 1,1-	0.018 (0.028)	0.062 (0.12)	6.0	3.2
DICHLOROETHYLENE, Cis 1,2-	0.19	0.19	6.0	-
DICHLOROETHYLENE, Trans 1,2-	0.65	0.65	10	-
DICHLOROPHENOL, 2,4-	0.30	0.30	0.30	-
DICHLOROPROPANE, 1,2-	0.049 (0.13)	0.13	5.0	-
DICHLOROPROPENE, 1,3-	0.055 (0.057)	0.057	0.50	-
DIELDRIN	0.002	0.002	0.0019	0.00014
DIETHYLPHTHALATE	0.070	0.070	3.0	-
DIMETHYLPHTHALATE	0.070	0.070	3.0	-
DIMETHYLPHENOL, 2,4-	0.68	0.68	100	-
DINITROPHENOL, 2,4-	0.040	0.040	14	-
DINITROTOLUENE, 2,4-	0.0008	0.0008	0.11	-
1,4 DIOXANE	0.0018	0.0018	3.0	-
DIOXIN (2,3,7,8-TCDD)	0.0000045	0.000032	<0.00001	0.000000014
ENDOSULFAN	0.005	0.005	0.0087	-
ENDRIN	0.0006	0.0006	0.0023	-
ETHYLBENZENE	2.5	2.5	30	-
FLUORANTHENE	40	40	8.1	-
FLUORENE	5.1	5.1	3.9	-
HEPTACHLOR	0.013	0.013	0.0036	0.00021
HEPTACHLOR EPOXIDE	0.014	0.014	0.0036	0.00011
HEXACHLOROBENZENE	0.27	1.4	1.0	0.00077
HEXACHLOROBUTADIENE	2.2	2.2	0.45	-
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	0.049	0.049	0.08	0.063
HEXACHLOROETHANE	3.0	3.0	0.90	8.9
INDENO(1,2,3-cd)PYRENE	0.38	1.8	0.029	0.049
LEAD	200	750	3.2	-
MERCURY	4.7	10	0.012	-
METHOXYCHLOR	19	19	0.03	-
METHYLENE CHLORIDE	0.076	0.076	5.0	-
METHYL ETHYL KETONE	3.8	3.8	4200	-
METHYL ISOBUTYL KETONE	2.7	2.7	120	-
METHYL MERCURY	1.2	10	0.003	-
METHYLNAPHTHALENE (total 1- & 2-)	0.25	0.25	2.1	-
METHYL TERT BUTYL ETHER	0.028	0.028	5.0	
MOLYBDENUM	40	40	35	-
NAPHTHALENE	1.7 (4.3)	4.3	21	-

TABLE A. SURFACE SOIL (≤3m bgs) AND GROUNDWATER RISK-BASED SCREENING LEVELS (RBSLs)
(Groundwater IS a Current or Potential Source of Drinking Water)

	SURFACE SOIL RBSLs		GROUNDWATER RBSLs	
CHEMICAL PARAMETER	Residential Land Use Permitted (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	Drinking Water Resource Threatened (ug/L)	Elevated Threat To Surface Water (ug/L)
NICKEL	150	150	8.2	-
PENTACHLOROPHENOL	4.4	5.0	1.0	-
PERCHLORATE	0.036	0.036	18	-
PHENANTHRENE	11	11	4.6	-
PHENOL	0.076	0.076	5.0	-
POLYCHLORINATED BIPHENYLS (PCBs)	0.22	1.0	0.014	0.00017
PYRENE	55	55	0.40	-
SELENIUM	10	10	5.0	-
SILVER	20	40	0.12	-
STYRENE	1.7	1.7	10	-
TETRACHLOROETHANE, 1,1,1,2-	0.020	0.020	1.3	-
TETRACHLOROETHANE, 1,1,2,2-	0.015	0.015	1.0	-
TETRACHLOROETHYLENE	0.15 (0.80)	0.53 (0.80)	5.0	-
THALLIUM	1.0	27	2.0	-
TOLUENE	2.6	2.6	40	-
TPH (gasolines)	100	100	100	
TPH (middle distillates)	100	100	100	-
TPH (residual fuels)	500	1000	100	-
TRICHLOROBENZENE, 1,2,4-	15	15	50	-
TRICHLOROETHANE, 1,1,1-	8.0	8.0	62	-
TRICHLOROETHANE, 1,1,2-	0.055 (0.091)	0.091	5.0	-
TRICHLOROETHYLENE	0.40	0.40	5.0	-
TRICHLOROPHENOL, 2,4,5-	0.18	0.18	11	-
TRICHLOROPHENOL, 2,4,6-	0.17	0.17	0.50	-
VANADIUM	110	200	19	-
VINYL CHLORIDE	0.011	0.04	0.50	-
XYLENES	1.0	1.0	13	-
ZINC	600	600	23	-

TABLE A. SURFACE SOIL (≤3m bgs) AND GROUNDWATER RISK-BASED SCREENING LEVELS (RBSLs) (Groundwater IS a Current or Potential Source of Drinking Water)

	SURFACE SOIL RBSLs		GROUNDWATER RBSLs	
CHEMICAL PARAMETER	Residential Land Use Permitted (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	Drinking Water Resource Threatened (ug/L)	Elevated Threat To Surface Water (ug/L)
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	2.0	4.0	no criteria	no criteria
Sodium Adsorption Ratio	5.0	12	no criteria	no criteria

Notes:

Source of soil RBSLs: Refer to Tables A-1 and A-2 in Appendix 1.

Source of groundwater RBSLs: Refer to Table F-1 Appendix 1.

Category "Residential Land Use Permitted" based on residential land-use scenario and generally considered adequate for unrestricted land use.

Surface soil less than or equal to 3 meters (approximately 10 feet) below ground surface.

Soil data should be reported on dry-weight basis (see Appendix 1, Section 1.2).

Soil RBSLs intended to address direct-exposure, indoor-air impact, groundwater protection, ecologic (urban areas) and nuisance concerns under noted land-use scenarios. Refer to appendices for summary of RBSL components.

Groundwater RBSLs intended to be protective of drinking water resources, surface water quality, indoor-air impacts and nuisance concerns.

Value in parentheses applicable if vadose zone soils are predominantly fine-grained, silty, clayey loams (<20% sand-size (0.075mm) or larger material; i.e. ≥80% of soil material will pass through 200 mesh sieve).

Category "Elevated Threat To Surface Water" screening levels address potential long-term impacts to surface water bodies and bioaccumulation concerns in aquatic organisms potentially consumed by humans. Not addressed in soil RBSLs.

TPH -Total Petroleum Hydrocarbons. See Appendix 1, Chapter 4 for discussion of different TPH categories.