STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-5664
FOR
VENTURA REGIONAL SANITATION DISTRICT
AND
CITY OF OXNARD,

(COASTAL AND SANTA CLARA LANDFILLS)

(FILE NOs. 80-004 and 68-035)

General

1. Monitoring responsibilities of Ventura Regional Sanitation District (VRSD) and City of Oxnard (City) for the combined Coastal and Santa Clara landfills (Landfill) are specified in California Water Code (CWC) § 13225(a), § 13267(b) and § 13387(b), and State Water Resources Control Board (SWRCB) Resolution No. 93-62. This self-monitoring program is issued pursuant to California Regional Water Quality Control Board, Los Angeles Region (Regional Board) Order No. R4-2002-0191. The principal purposes of a self-monitoring program by a waste discharger are:

   a. To document compliance with discharge requirements and prohibitions established by the Regional Board;

   b. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharges;

   c. To prepare water quality analyses; and

   d. To prepare vadose zone (unsaturated zone) and liquid quality analyses.

2. The City/VRSD shall implement this monitoring and reporting program (M&RP) during the first monitoring period immediately following adoption of this Order. The first monitoring report under this program is due by June 15, 2002.

Monitoring Points

3. The existing compliance groundwater monitoring system at the Landfill includes eleven monitoring wells (29A2m, 29C2m, 28C7s, 28C8s, 29D1, 29D3, 29E6, 29G4s, 29L1, 29M2, 29M5) for the uppermost semi-perched aquifer and two monitoring wells (28C6, 29E9) for the Oxnard aquifer (see Figure 1, attached). Other monitoring wells existing at the Landfill that are not part of the compliance groundwater monitoring system are on standby status and consist of 29A2s, 29A2d, 29C2d, 28C7m, 28C7d, 28C8m, 28C8d, 29D2, 29D4, 29D5, 29E7, 29E8, 29F5, 29F6, 29G4m, 29G4d, 29L3, 29M3, 29M4, 29M6, 29M7 (see Figure 1, attached).

4. The City/VRSD shall implement the monitoring program described in section B (Provisions for Groundwater Monitoring) of Regional Board Order No. R4-2002-0191. As such, the monitoring parameters (MPars) and constituents of concern (COCs) for semi-perched and Oxnard aquifer monitoring wells (see Item No. 3, above) are listed in Table 1 and Table 2, respectively, of this M&RP. Similarly, the MPars or COCs for standby monitoring wells at the Landfill (see Item No. 3, above) are listed in Table 3 of this M&RP.

Sampling and Analytical Methods

5. Sample collection, storage, and analysis shall be performed according to the most recent version of standard U.S. Environmental Protection Agency (USEPA) methods, and in accordance with an approved sampling and analysis plan. Water and waste analysis shall be performed by a laboratory approved for these analyses by the State of California. Specific methods of analysis must be identified. If methods other than USEPA-approved methods or standard methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board's executive officer (Executive Officer) prior to use. For any analyses performed for which no procedures are specified in the EPA guidelines or in this M&RP, the constituent or parameter analyzed, and the method or procedure used, must be specified in the corresponding monitoring report. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements. In addition, the City/VRSD is responsible for seeing that the laboratory analysis of all samples from monitoring points and background monitoring points meets the following restrictions:

   a. The methods and analysis and the detection limits used must be appropriate for the expected concentrations. For detection monitoring of any constituent or parameter that is found in concentrations which produce more than 90% non-numerical determinations (i.e. "trace" or "ND") in data from background monitoring points for that medium, the analytical methods having the lowest facility-specific method detection limit (MDL) shall be selected from among those methods which would provide valid results in light of any matrix effects involved.

   b. Trace results falling between the MDL and the facility-specific practical quantitation limit (PQL), shall be reported as such, and shall be accompanied both by the estimated MDL and PQL values for that analytical run and by an estimate of the constituent's concentration.

   c. MDLs and PQLs shall be derived by the laboratory for each analytical procedure,

according to State of California laboratory accreditation procedures. These MDLs and PQLs shall reflect the detection and quantitation capabilities of the specific analytical procedure and equipment used by the lab, rather than simply being quoted from USEPA analytical method manuals. If the lab suspects that, due to a change in matrix or other effects, the true detection limit or quantitation limit for a particular analytical run differs significantly from the laboratory-derived MDL/PQL values, the results shall be flagged accordingly, along with an estimate of the detection limit and quantitation limit actually achieved.

d. All Quality Assurance / Quality Control (QA/QC) data shall be reported, along with the sample results to which it applies, including the method, equipment, and analytical detection limits, the recovery rates, an explanation of any recovery rate that is less than 80%, the results of equipment and method blanks, the results of spiked and surrogate samples, the frequency of quality control analysis, and the name and qualifications of the person(s) performing the analyses. Sample results shall be reported unadjusted for blank results or spike recovery.

e. Upon receiving written approval from the Executive Officer, an alternative statistical or non-statistical procedure can be used for determining the significance of analytical results for a constituent that is a common laboratory contaminant (i.e., methylene chloride, acetone, diethylhexyl phthalate, and di-n-octyl phthalate) during any given reporting period in which QA/QC samples show evidence of laboratory contamination for that constituent. Nevertheless, analytical results involving detection of these analytes in any sample shall be reported and flagged for easy reference by Regional Board staff.

f. Unknown chromatographic peaks shall be reported, along with an estimate of the concentration of the unknown analyte. When unknown peaks are encountered, second column or second method confirmation procedures shall be performed to attempt to identify and more accurately quantify the unknown analyte.

g. In cases where contaminants are detected in QA/QC samples (i.e. field, trip, or lab blanks), the accompanying sample results shall be appropriately flagged.

h. The MDL shall always be calculated such that it represents a concentration associated with a 99% reliability of a non-zero result.

6. Proper chain of custody procedures shall be used.

7. All compliance groundwater monitoring system wells shall be equipped with dedicated sampling pumps.

8. All metals analyses shall be for both the total metal and the dissolved phase.

9. The City/VRSD may submit additional data to the Regional Board not required by this program in order to simplify reporting to other regulatory agencies.

10. If the City/VRSD performs analyses for any parameter more frequently than required by this M&RP using approved analytical methods, the results of those analyses shall be included in the monitoring program.

11. No filtering of samples taken for organics analyses shall be permitted. Samples for organic analyses shall be taken with a sampling method that minimizes volatilization and degradation of potential constituents.

12. Thirty-Day Sample Procurement Limitation:
For any given monitored medium, the samples taken from all monitoring points to satisfy the data analysis requirements for a given reporting period shall all be taken within a span of 30 days, and shall be taken in a manner that insures sample independence to the greatest extent feasible [27 CCR § 20415(e)(12)(B)]. Groundwater sampling shall also include an accurate determination of the groundwater surface elevation and field parameters (temperature, pH, electrical conductivity, turbidity) for that monitoring point [27 CCR § 20415(e)(13)]; groundwater elevations taken prior to purging the well and sampling for monitoring parameters shall be used to fulfill groundwater flow rate/direction analyses required under Item No. 15(b)(i) of this M&RP. Statistical or non-statistical analysis shall be carried out as soon as the data is available, in accordance with statistical and non-statistical analyses requirements described in section B (Provisions for Groundwater Monitoring) of Regional Board Order No. R4-2002-0191.

Records to be Maintained

13. Written reports shall be maintained by the City/VRSD or it's laboratory and shall be retained for a minimum of five years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board. Such records shall show the following for each sample:

    a. Identity of sample and of the monitoring point from which it was taken, along with the identity of the individual who obtained the sample;

    b. Date and time of sampling;

    c. Date and time that analyses were started and completed, and the name of the personnel performing each analysis;

    d. Complete procedures used, including method of preserving the sample, and the identity and volumes of reagents used;

e. Calculations of results; and

f. Results of analyses, and the MDL and PQL for each analysis.

Reports to be Filed with the Regional Board

14. Semi-annual and annual monitoring reports shall be submitted pursuant the following schedule. Every five years, the City/VRSD shall also submit a report concerning the direct analysis of all COCs (COC report), alternating between the Winter/Spring and Summer/Fall monitoring periods.

Period	Sampling Period	Reporting Date
Winter/Spring (Annual)	April	June 15
Summer/Fall	October	December 15

In the event monitoring is not performed as above because of unforeseen circumstances, substitute monitoring shall be performed as soon as possible after these times, and the reason for the delay shall also be given.

15. The semi-annual monitoring reports shall be comprised of at least the following:

a. Letter of Transmittal:
A letter detailing the essential points of the monitoring program shall accompany each report. Such a letter shall include a discussion of any requirement violations found since the last such report was submitted, and shall describe actions taken or planned for correcting those violations. If the City/VRSD has previously submitted a detailed time schedule for correcting said requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred since the last submittal, this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice-president or above, or by his/her duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct;

b. Each report shall include a compliance evaluation summary. The summary shall contain at least:

i. For each monitored groundwater body, a description and graphical presentation of the velocity and direction of the groundwater flow

under/around the landfill, based upon water level elevations taken during the collection of the water quality data submitted in the report;

ii. Pre-Sampling Purge for Samples Obtained from Wells:
For each monitoring point addressed by the report, a description of the method and time of water level measurement, of the type of pump used for purging and the placement of the pump in the well, and of the method of purging (the pumping rate, the equipment and methods used to monitor field pH, temperature, electrical conductivity and turbidity during purging, the calibration of the field equipment, results of the pH, temperature, electrical conductivity, and turbidity testing, the well recovery time, and the method of disposing of the purge water);

iii. Sampling:
For each monitoring point addressed by the report, a description of the type of pump, or other device, used and its placement for sampling, and a detailed description of the sampling procedure (number and description of the samples, field blanks, travel blanks, and duplicate samples taken, the type of containers and preservatives used, the date and time of sampling, the name and qualifications of the person taking the samples, and any other observations).

c. All monitoring analytical data obtained during the semi-annual monitoring and reporting periods shall be presented in tabular form as well as on 3 ½-inch diskettes, either in MS-DOS/ASCII format or in another file format acceptable to the Executive Officer. Data sets too large to fit on a single diskette may be submitted on disk in a commonly available compressed format (e.g., PK-ZIP or NORTON BACKUP). The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with Regional Board Order No. R4-2002-0191. The Regional Board regards the submittal of data in hard copy and on diskette as "...the form necessary for..." statistical analysis [27 CCR § 20420(h)];

d. A map or aerial photograph showing the locations of observation stations and monitoring points;

e. For each report, include laboratory statements of results of all analyses demonstrating compliance with Item No. 5 of this M&RP;

f. An evaluation of the effectiveness of the run-off/run-on control facilities;

g. A summary and certification of completion of all standard observations listed below for the Landfill and the perimeter of the Landfill.

i. Along the perimeter of the landfill:

A. Evidence of liquid leaving or entering the landfill, estimated size of affected area, and flow rate;

B. Evidence of odors: presence or absence, characterization, source, and distance of travel from source; and

C. Evidence of erosion and/or of exposed refuse.

ii. For the landfill:

A. Evidence of ponded water at any point on the waste management facility;

B. Evidence of odors: presence or absence, characterization, source, and distance of travel from source;

C. Evidence of erosion and/or of daylighted refuse; and

D. Standard Analysis and Measurements, which refers to:

1. Turbidity (only for water samples) in NTU:

2. Water elevation to the nearest 1/100th foot above mean sea level (only for groundwater monitoring); and

3. Sampling and statistical/non-statistical analysis of the Monitoring Parameters.

16. Contingency Reporting

a. The City/VRSD shall report by telephone to Regional Board staff any seepage from the disposal area immediately after it is discovered. A written report shall be filed with the Regional Board within seven days of the verbal report, containing at least the following information:

i. A map showing the location(s) of seepage;

ii. An estimate of the flow rate;

iii. A description of the nature of the discharge (e.g., all pertinent observations

and analyses); and

iv. Corrective measures underway or proposed.

17. The City/VRSD shall submit an annual summary report to the Regional Board covering the previous monitoring year. The reporting period ends June 15. This report shall contain:

a. A graphical presentation of analytical data [27 CCR § 20415(e)(14)]:
For each monitoring point, submit in graphical format the laboratory analytical data for all samples taken within at least the previous five calendar years. Each such graph shall plot the concentration of one or more constituents over time for a given monitoring point, at a scale appropriate to show trends or variations in water quality. The graphs shall plot each datum, rather than plotting mean values. For any given constituent or parameter, the scale for background plots shall be the same as that used to plot downgradient data. On the basis of any aberrations noted in the plotted date, the Executive Officer may direct the City/VRSD to carry out a preliminary investigation [27 CCR § 20080(d)(2)], the results of which will determine whether or not a release is indicated;

b. A comprehensive discussion of the compliance record, and the result of any corrective actions taken, or planned, which may be needed to bring the City/VRSD into full compliance with the WDRs;

c. A written summary of the groundwater and soil-pore gas analyses, indicating any changes made since the previous annual report; and

d. An evaluation of the effectiveness of the run on/run-off control facilities, pursuant to 27 CCR § 20340 (b-d).

18. Waste water reuse reporting shall accompany semi-annual groundwater monitoring reporting and include the following:

a. A statement that, during the reporting period, all waste water was used only as specified, and for the uses specified in Regional Board Order No. R4-2002-0191.

b. Approximate acreage and locations receiving reused water for irrigation.

c. Analytical results for waste water shall be submitted with the corresponding report. If a waste water source was not sampled or measured during the reporting period, the reason for the omission shall be given. If no waste water reused from a source, a statement to that effect shall be provided in lieu of analysis.

d. Records of operational problems, mechanical breakdowns, and diversions to emergency storage or disposal associated with any violations, or potential violations of Regional Board Order No. R4-2002-0191.

e. Any corrective actions taken.

f. If all or a portion of the waste water was not reused because of a failure to meet the limits specified in Regional Board Order No. R4-2002-0191, the report shall so state and identify the disposition of the effluent.

19. Reporting

a. Each monitoring report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

b. A duly authorized representative of the City/VRSD may sign the documents if:

ii. The authorization is made in writing by the person described above;

iii. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and

iv. The written authorization is submitted to the Executive Officer.

c. Submit monitoring reports to:

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013
ATTN: Information Technology Unit

VENTURA REGIONAL SANITATION DISTRICT AND CITY OF OXNARD
COASTAL AND SANTA CLARA LANDFILLS
MONITORING AND REPORTING PROGRAM NO. 5664

ORDER NO. R4-2002-0191

Ordered by _____
Dennis A. Dickerson
Executive Officer
December 12, 2002

TABLE 1 – MPars FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29A2m	29C2m	28C6	28C7s	28C8s	29D1	29D3
1	A	pH	MPar	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Electrical Conductivity	MPar	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Total Dissolved Solids	**MPar**	**MPar**	MPar	MPar	MPar	**MPar**	**MPar**
1	A	Chloride	**MPar**	**MPar**	MPar	MPar	MPar	**MPar**	**MPar**
1	A	Sulfate	MPar	MPar	MPar	MPar	MPar	MPar	**MPar**
1	A	Boron	MPar	MPar	MPar	MPar	MPar	**MPar**	MPar
1	A	hydroxide alkalinity (CaCO3)	MPar	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Chemical Oxygen Demand	**MPar**	**MPar**	MPar	MPar	MPar	**MPar**	**MPar**
1	A	Total Organic Carbon	**MPar**	MPar	MPar	MPar	**MPar**	**MPar**	MPar
1	A	Total Organic Halogens	MPar	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Total Hardness	MPar	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Flouride	MPar	MPar	MPar	MPar	MPar	MPar	MPar
2	A	Iron	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Acetone	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Acrylonitrile	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Benzene	MPar	MPar	MPar	MPar	MPar	MPar	**MPar**
3	B	Bromochloromethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Bromodichloromethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Bromoform	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Carbon disulfide	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Carbon tetrachloride	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Chlorobenzene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Chloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Chloroform	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Dibromochloromethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dibromo-3-Chloropropane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dibromoethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	o-Dichlorobenzene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	p-Dichlorobenzene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,4-Dichloro-2-butene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1-Dichloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dichloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1-Dichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	cis-1,2-Dichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,2-Dichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dichloropropane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	cis-1,3-Dichloropropene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,3-Dichloropropene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Ethyl benzene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	2-Hexanone	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl bromide	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl chloride	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl Ethyl Ketone	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl iodide	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	4-Methyl-2-pentanone	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methylene bromide	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methylene chloride	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Styrene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,1,2-Tetrachloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,2,2-Tetrachloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Tetrachloroethylene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Toluene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,1,-Trichloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,2,-Trichloroethane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Trichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Trichlorofluoromethane (CFC11)	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2,3-Trichloropropane	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Vinyl acetate	MPar	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Vinyl Chloride	**MPar**	MPar	MPar	MPar	**MPar**	**MPar**	**MPar**
3	B	Xylenes, m- & o+p	MPar	MPar	MPar	MPar	MPar	MPar	MPar

Constituents highlighted in bold are in "tracking"mode. All others are in detection mode.
Monitoring wells and constituents are subject to updates pursuant to M&RP CI-5664

1 = General
2 = Metals (total and field-filtered)
3 = Volatile Organic Compound
A = Conventional Parameter in M&RP No. 5664
B = Appendix I and Appendix II Constituent

TABLE 1 (CONT.) – MPars FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29E6	29E9	29G4s	29L1	29M2
1	A	pH	MPar	MPar	MPar	MPar	MPar
1	A	Electrical Conductivity	MPar	MPar	MPar	MPar	MPar
1	A	Total Dissolved Solids	**MPar**	MPar	**MPar**	**MPar**	MPar
1	A	Chloride	**MPar**	MPar	**MPar**	**MPar**	**MPar**
1	A	Sulfate	MPar	MPar	**MPar**	**MPar**	MPar
1	A	Boron	**MPar**	MPar	**MPar**	**MPar**	**MPar**
1	A	hydroxide alkalinity (CaCO3)	MPar	MPar	MPar	MPar	MPar
1	A	Chemical Oxygen Demand	MPar	MPar	MPar	MPar	MPar
1	A	Total Organic Carbon	**MPar**	MPar	**MPar**	MPar	MPar
1	A	Total Organic Halogens	MPar	MPar	MPar	MPar	MPar
1	A	Total Hardness	MPar	MPar	MPar	MPar	MPar
1	A	Flouride	MPar	MPar	MPar	MPar	MPar
2	A	Iron	MPar	MPar	MPar	MPar	MPar
3	B	Acetone	MPar	MPar	MPar	MPar	MPar
3	B	Acrylonitrile	MPar	MPar	MPar	MPar	MPar
3	B	Benzene	MPar	MPar	**MPar**	MPar	MPar
3	B	Bromochloromethane	MPar	MPar	MPar	MPar	MPar
3	B	Bromodichloromethane	MPar	MPar	MPar	MPar	MPar
3	B	Bromoform	MPar	MPar	MPar	MPar	MPar
3	B	Carbon disulfide	MPar	MPar	MPar	MPar	MPar
3	B	Carbon tetrachloride	MPar	MPar	MPar	MPar	MPar
3	B	Chlorobenzene	MPar	MPar	MPar	MPar	MPar
3	B	Chloroethane	MPar	MPar	MPar	MPar	MPar
3	B	Chloroform	MPar	MPar	MPar	MPar	MPar
3	B	Dibromochloromethane	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dibromo-3-Chloropropane	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dibromoethane	MPar	MPar	MPar	MPar	MPar
3	B	o-Dichlorobenzene	MPar	MPar	MPar	MPar	MPar
3	B	p-Dichlorobenzene	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,4-Dichloro-2-butene	MPar	MPar	MPar	MPar	MPar
3	B	1,1-Dichloroethane	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dichloroethane	MPar	MPar	MPar	MPar	MPar
3	B	1,1-Dichloroethylene	MPar	MPar	MPar	MPar	MPar
3	B	cis-1,2-Dichloroethylene	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,2-Dichloroethylene	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dichloropropane	MPar	MPar	MPar	MPar	MPar
3	B	cis-1,3-Dichloropropene	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,3-Dichloropropene	MPar	MPar	MPar	MPar	MPar
3	B	Ethyl benzene	MPar	MPar	MPar	MPar	MPar
3	B	2-Hexanone	MPar	MPar	MPar	MPar	MPar
3	B	Methyl bromide	MPar	MPar	MPar	MPar	MPar
3	B	Methyl chloride	MPar	MPar	MPar	MPar	MPar
3	B	Methyl Ethyl Ketone	MPar	MPar	MPar	MPar	MPar
3	B	Methyl iodide	MPar	MPar	MPar	MPar	MPar
3	B	4-Methyl-2-pentanone	MPar	MPar	MPar	MPar	MPar
3	B	Methylene bromide	MPar	MPar	MPar	MPar	MPar
3	B	Methylene chloride	MPar	MPar	MPar	MPar	MPar
3	B	Styrene	MPar	MPar	MPar	MPar	MPar
3	B	1,1,1,2-Tetrachloroethane	MPar	MPar	MPar	MPar	MPar
3	B	1,1,2,2-Tetrachloroethane	MPar	MPar	MPar	MPar	MPar
3	B	Tetrachloroethylene	MPar	MPar	MPar	MPar	MPar
3	B	Toluene	MPar	MPar	MPar	MPar	MPar
3	B	1,1,1,-Trichloroethane	MPar	MPar	MPar	MPar	MPar
3	B	1,1,2,-Trichloroethane	MPar	MPar	MPar	MPar	MPar
3	B	Trichloroethylene	MPar	MPar	MPar	MPar	MPar
3	B	Trichlorofluoromethane (CFC11)	MPar	MPar	MPar	MPar	MPar
3	B	1,2,3-Trichloropropane	MPar	MPar	MPar	MPar	MPar
3	B	Vinyl acetate	MPar	MPar	MPar	MPar	MPar
3	B	Vinyl Chloride	**MPar**	MPar	**MPar**	MPar	**MPar**
3	B	Xylenes, m- & o+p	MPar	MPar	MPar	MPar	MPar

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TABLE 1 (CONT.) – MPars FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29M5	EMP-2	EMP-3	EMP-5	EMP-6	EMP-7
1	A	pH	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Electrical Conductivity	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Total Dissolved Solids	**MPar**	MPar	MPar	MPar	MPar	MPar
1	A	Chloride	**MPar**	MPar	MPar	MPar	MPar	MPar
1	A	Sulfate	**MPar**	MPar	MPar	MPar	MPar	MPar
1	A	Boron	**MPar**	MPar	MPar	MPar	MPar	MPar
1	A	hydroxide alkalinity (CaCO3)	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Chemical Oxygen Demand	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Total Organic Carbon	**MPar**	MPar	MPar	MPar	MPar	MPar
1	A	Total Organic Halogens	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Total Hardness	MPar	MPar	MPar	MPar	MPar	MPar
1	A	Flouride	MPar	MPar	MPar	MPar	MPar	MPar
2	A	Iron	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Acetone	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Acrylonitrile	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Benzene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Bromochloromethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Bromodichloromethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Bromoform	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Carbon disulfide	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Carbon tetrachloride	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Chlorobenzene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Chloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Chloroform	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Dibromochloromethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dibromo-3-Chloropropane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dibromoethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	o-Dichlorobenzene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	p-Dichlorobenzene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,4-Dichloro-2-butene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1-Dichloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dichloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1-Dichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	cis-1,2-Dichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,2-Dichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2-Dichloropropane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	cis-1,3-Dichloropropene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	trans-1,3-Dichloropropene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Ethyl benzene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	2-Hexanone	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl bromide	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl chloride	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl Ethyl Ketone	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methyl iodide	MPar	MPar	MPar	MPar	MPar	MPar
3	B	4-Methyl-2-pentanone	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methylene bromide	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Methylene chloride	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Styrene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,1,2-Tetrachloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,2,2-Tetrachloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Tetrachloroethylene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Toluene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,1,-Trichloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,1,2,-Trichloroethane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Trichloroethylene	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Trichlorofluoromethane (CFC11)	MPar	MPar	MPar	MPar	MPar	MPar
3	B	1,2,3-Trichloropropane	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Vinyl acetate	MPar	MPar	MPar	MPar	MPar	MPar
3	B	Vinyl Chloride	**MPar**	MPar	MPar	MPar	MPar	MPar
3	B	Xylenes, m- & o+p	MPar	MPar	MPar	MPar	MPar	MPar

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TABLE 2 – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29A2m	29C2m	28C6	28C7s	28C8s	29D1	29D3
1	A	Bicarbonate Alkalinity	COC	COC	COC	COC	COC	COC	COC
1	A	Nitrate Nitrogen	COC	COC	COC	COC	COC	COC	COC
1	A	Biological Oxygen Demand	COC	COC	COC	COC	COC	COC	COC
1	A	carbonate	COC	COC	COC	COC	COC	COC	COC
1	A	nitrite	COC	COC	COC	COC	COC	COC	COC
4	C	Cyanide	COC	COC	COC	COC	COC	COC	COC
4	C	Sulfide	COC	COC	COC	COC	COC	COC	COC
1	A	total phenols	COC	COC	COC	COC	COC	COC	COC
1	A	turbidity	COC	COC	COC	COC	COC	COC	COC
1	A	foaming agents	COC	COC	COC	COC	COC	COC	COC
1	A	oil and grease	COC	COC	COC	COC	COC	COC	COC
1	A	Calcium	COC	COC	COC	COC	COC	COC	COC
1	A	Magnesium	COC	COC	COC	COC	COC	COC	COC
1	A	Sodium	COC	COC	COC	COC	COC	COC	COC
1	A	Potassium	COC	COC	COC	COC	COC	COC	COC
3	C	Acetonitrile	COC	COC	COC	COC	COC	COC	COC
3	C	Acrolein	COC	COC	COC	COC	COC	COC	COC
3	C	Allyl chloride	COC	COC	COC	COC	COC	COC	COC
3	C	Chloroprene	COC	COC	COC	COC	COC	COC	COC
3	C	m-Dichlorobenzene	COC	COC	COC	COC	COC	COC	COC
3	C	Dichlorodifluoromethane (CFC12)	COC	COC	COC	COC	COC	COC	COC
3	C	1,3-Dichloropropane	COC	COC	COC	COC	COC	COC	COC
3	C	2,2-Dichloropropane	COC	COC	COC	COC	COC	COC	COC
3	C	1,1-Dichloropropene	COC	COC	COC	COC	COC	COC	COC
3	C	Ethyl methacrylate	COC	COC	COC	COC	COC	COC	COC
3	C	Isobutyl alcohol	COC	COC	COC	COC	COC	COC	COC
3	C	Methacrylontrile	COC	COC	COC	COC	COC	COC	COC
3	C	Methyl methacrylate	COC	COC	COC	COC	COC	COC	COC
3	C	Propionitrile	COC	COC	COC	COC	COC	COC	COC
5	C	Acenaphthene	COC	COC	COC	COC	COC	COC	COC
5	C	Acenaphthylene	COC	COC	COC	COC	COC	COC	COC
5	C	Acetophenone	COC	COC	COC	COC	COC	COC	COC
5	C	2-Acetylaminoflourene	COC	COC	COC	COC	COC	COC	COC
5	C	4-Aminobiphenyl	COC	COC	COC	COC	COC	COC	COC
5	C	Anthracene	COC	COC	COC	COC	COC	COC	COC
5	C	Benzo(a)anthrancene	COC	COC	COC	COC	COC	COC	COC
5	C	Benzo(b)fluoranthene	COC	COC	COC	COC	COC	COC	COC
5	C	Benzo(k)fluoranthene	COC	COC	COC	COC	COC	COC	COC
5	C	Benzo(ghi)perylene	COC	COC	COC	COC	COC	COC	COC
5	C	Benzo(a)pyrene	COC	COC	COC	COC	COC	COC	COC
5	C	Benzyl alcohol	COC	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethoxy) methane	COC	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethyl) ether	COC	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloro-1-methylethyl) ether	COC	COC	COC	COC	COC	COC	COC
5	C	Bis(2-ethylhexyl) phthalate	COC	COC	COC	COC	COC	COC	COC
5	C	4-Bromophenyl phenyl ether	COC	COC	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29A2m	29C2m	28C6	28C7s	28C8s	29D1	29D3
5	C	Butyl benzyl phthalate	COC	COC	COC	COC	COC	COC	COC
5	C	p-Chloroaniline	COC	COC	COC	COC	COC	COC	COC
5	C	Chlorobenzilate	COC	COC	COC	COC	COC	COC	COC
5	C	p-Chloro-m-cresol	COC	COC	COC	COC	COC	COC	COC
5	C	2-Chloronaphthalane	COC	COC	COC	COC	COC	COC	COC
5	C	2-Chlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	4-Chlorophenyl phenyl ether	COC	COC	COC	COC	COC	COC	COC
5	C	Chrysene	COC	COC	COC	COC	COC	COC	COC
5	C	M+p Cresol	COC	COC	COC	COC	COC	COC	COC
5	C	o- Cresol	COC	COC	COC	COC	COC	COC	COC
5	C	Diallate	COC	COC	COC	COC	COC	COC	COC
5	C	Dibenz(a,h)anthracene	COC	COC	COC	COC	COC	COC	COC
5	C	Dibenzofuran	COC	COC	COC	COC	COC	COC	COC
5	C	Di-n-butyl phthalate	COC	COC	COC	COC	COC	COC	COC
5	C	3,3'-Dichlorobenzidine	COC	COC	COC	COC	COC	COC	COC
5	C	2,4-Dichlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	2-6- Dichlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	Diethyl phthalate	COC	COC	COC	COC	COC	COC	COC
5	C	p-(Dimethylamino)azobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	7,12-Dimethylbenz(a)anthracene	COC	COC	COC	COC	COC	COC	COC
5	C	3,3'-Dimethylbenzidine	COC	COC	COC	COC	COC	COC	COC
5	C	2,4-Dimethylphenol	COC	COC	COC	COC	COC	COC	COC
5	C	Dimethyl phthalate	COC	COC	COC	COC	COC	COC	COC
5	C	m-Dinitrobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	4,6-Dinitro-o-cresol	COC	COC	COC	COC	COC	COC	COC
5	C	2,4-Dinitrophenol	COC	COC	COC	COC	COC	COC	COC
5	C	2,4-Dinitrotoluene	COC	COC	COC	COC	COC	COC	COC
5	C	2,6-Dinitrotoluene	COC	COC	COC	COC	COC	COC	COC
5	C	Di-n-octyl phthalate	COC	COC	COC	COC	COC	COC	COC
5	C	Diphenyamine	COC	COC	COC	COC	COC	COC	COC
5	C	Ethyl methansulfonate	COC	COC	COC	COC	COC	COC	COC
5	C	Famphur	COC	COC	COC	COC	COC	COC	COC
5	C	Fluoranthene	COC	COC	COC	COC	COC	COC	COC
5	C	Fluorene	COC	COC	COC	COC	COC	COC	COC
5	C	Hexachlorobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	Hexachlorobutadiene	COC	COC	COC	COC	COC	COC	COC
5	C	Hexachlorocycopentadiene	COC	COC	COC	COC	COC	COC	COC
5	C	Hexachloroethane	COC	COC	COC	COC	COC	COC	COC
5	C	Hexachloropropene	COC	COC	COC	COC	COC	COC	COC
5	C	Indeno(1,2,3-c,d)pyrene	COC	COC	COC	COC	COC	COC	COC
5	C	Isodrin	COC	COC	COC	COC	COC	COC	COC
5	C	Isophorone	COC	COC	COC	COC	COC	COC	COC
5	C	Isosafrole	COC	COC	COC	COC	COC	COC	COC
5	C	Kepone	COC	COC	COC	COC	COC	COC	COC
5	C	Methapyrilene	COC	COC	COC	COC	COC	COC	COC
5	C	3-Methylcholanthrene	COC	COC	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29A2m	29C2m	28C6	28C7s	28C8s	29D1	29D3
5	C	Methyl methanesulfonate	COC	COC	COC	COC	COC	COC	COC
5	C	2-Methylnaphthalene	COC	COC	COC	COC	COC	COC	COC
5	C	Naphthalene	COC	COC	COC	COC	COC	COC	COC
5	C	1,4-Naphthoquinone	COC	COC	COC	COC	COC	COC	COC
5	C	1-Naphthylamine	COC	COC	COC	COC	COC	COC	COC
5	C	2-Naphthylamine	COC	COC	COC	COC	COC	COC	COC
5	C	o-Nitroaniline	COC	COC	COC	COC	COC	COC	COC
5	C	m-Nitroaniline	COC	COC	COC	COC	COC	COC	COC
5	C	p- Nitroaniline	COC	COC	COC	COC	COC	COC	COC
5	C	Nitrobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	2-Nitrophenol	COC	COC	COC	COC	COC	COC	COC
5	C	4-Nitrophenol	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodi-n-butylamine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodiethylamine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodimethylamine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodiphenylamine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodipropylamine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosomethylethylamine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosopiperidine	COC	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosopyrrolidine	COC	COC	COC	COC	COC	COC	COC
5	C	5-Nitro-o-toluidine	COC	COC	COC	COC	COC	COC	COC
5	C	Pentachlorobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	Pentachloronitrobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	Pentachlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	Phenacetin	COC	COC	COC	COC	COC	COC	COC
5	C	Phenanthrene	COC	COC	COC	COC	COC	COC	COC
5	C	Phenol	COC	COC	COC	COC	COC	COC	COC
5	C	p-Phenylenediamine	COC	COC	COC	COC	COC	COC	COC
5	C	Pronamide	COC	COC	COC	COC	COC	COC	COC
5	C	Pyrene	COC	COC	COC	COC	COC	COC	COC
5	C	Safrole	COC	COC	COC	COC	COC	COC	COC
5	C	1,2,4,5-Tetrachlorobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	2,3,4,6-Tetrachlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	o-Toluidine	COC	COC	COC	COC	COC	COC	COC
5	C	1,2,4-Trichlorobenzene	COC	COC	COC	COC	COC	COC	COC
5	C	2,4,5-Trichlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	2,4,6-Trichlorophenol	COC	COC	COC	COC	COC	COC	COC
5	C	0,0,0-Triethyl Phosphorothioate	COC	COC	COC	COC	COC	COC	COC
5	C	sym-Trinitrobenzene	COC	COC	COC	COC	COC	COC	COC
6	C	Aldrin	COC	COC	COC	COC	COC	COC	COC
6	C	alpha-BHC	COC	COC	COC	COC	COC	COC	COC
6	C	beta-BHC	COC	COC	COC	COC	COC	COC	COC
6	C	delta-BHC	COC	COC	COC	COC	COC	COC	COC
6	C	gamma-BHC (Lindane)	COC	COC	COC	COC	COC	COC	COC
6	C	Chlordane	COC	COC	COC	COC	COC	COC	COC
6	C	4,4'-DDD	COC	COC	COC	COC	COC	COC	COC

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Comment	Constituent	29A2m	29C2m	28C6	28C7s	28C8s	29D1	29D3
C	4,4'-DDE	COC	COC	COC	COC	COC	COC	COC
C	4,4'-DDT	COC	COC	COC	COC	COC	COC	COC
C	Dieldrin	COC	COC	COC	COC	COC	COC	COC
C	Endosulfan I	COC	COC	COC	COC	COC	COC	COC
C	Endosulfan II	COC	COC	COC	COC	COC	COC	COC
C	Endosulfan sulfate	COC	COC	COC	COC	COC	COC	COC
C	Endrin	COC	COC	COC	COC	COC	COC	COC
C	Endrin aldehyde	COC	COC	COC	COC	COC	COC	COC
C	Heptachlor	COC	COC	COC	COC	COC	COC	COC
C	Heptachlor epoxide	COC	COC	COC	COC	COC	COC	COC
	Polychlorinated biphenyls:							
C	Aroclor 1016	COC	COC	COC	COC	COC	COC	COC
C	Aroclor 1221	COC	COC	COC	COC	COC	COC	COC
C	Aroclor 1232	COC	COC	COC	COC	COC	COC	COC
C	Aroclor 1242	COC	COC	COC	COC	COC	COC	COC
C	Aroclor 1248	COC	COC	COC	COC	COC	COC	COC
C	Aroclor 1254	COC	COC	COC	COC	COC	COC	COC
C	Aroclor 1260	COC	COC	COC	COC	COC	COC	COC
C	Methoxyclor	COC	COC	COC	COC	COC	COC	COC
C	Toxaphene	COC	COC	COC	COC	COC	COC	COC
C	2,4-D	COC	COC	COC	COC	COC	COC	COC
C	Dinoseb	COC	COC	COC	COC	COC	COC	COC
C	Silvex	COC	COC	COC	COC	COC	COC	COC
C	2,4,5-Trichlorophenoxyacetic acid	COC	COC	COC	COC	COC	COC	COC
C	Thionazin	COC	COC	COC	COC	COC	COC	COC
C	Dimethoate	COC	COC	COC	COC	COC	COC	COC
C	Disulfoton	COC	COC	COC	COC	COC	COC	COC
C	Methyl parathion	COC	COC	COC	COC	COC	COC	COC
C	Parathion	COC	COC	COC	COC	COC	COC	COC
C	Phorate	COC	COC	COC	COC	COC	COC	COC
B	Antimony	COC	COC	COC	COC	COC	COC	COC
B	Arsenic	COC	COC	COC	COC	COC	COC	COC
B	Barium	COC	COC	COC	COC	COC	COC	COC
B	Beryllium	COC	COC	COC	COC	COC	COC	COC
B	Cadmium	COC	COC	COC	COC	COC	COC	COC
B	Chromium	COC	COC	COC	COC	COC	COC	COC
B	Cobalt	COC	COC	COC	COC	COC	COC	COC
B	Copper	COC	COC	COC	COC	COC	COC	COC
B	Lead	COC	COC	COC	COC	COC	COC	COC
C	Mercury	COC	COC	COC	COC	COC	COC	COC
B	Nickel	COC	COC	COC	COC	COC	COC	COC
B	Selenium	COC	COC	COC	COC	COC	COC	COC
B	Silver	COC	COC	COC	COC	COC	COC	COC
B	Thallium	COC	COC	COC	COC	COC	COC	COC
C	Tin	COC	COC	COC	COC	COC	COC	COC
B	Vanadium	COC	COC	COC	COC	COC	COC	COC
B	Zinc	COC	COC	COC	COC	COC	COC	COC

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General
Metals (total and field-filtered)
Volatile Organic Compound
Inorganics
Base Neutral and Acid Extractable (BNA) Compound
Pesticide
Herbicide
Organophosphorus Compound
Conventional Parameter in M&RP No. 5664
Appendix I and Appendix II Constituent
Appendix II Constituent

TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29E6	29E9	29G4s	29L1	29M2
1	A	Bicarbonate Alkalinity	COC	COC	COC	COC	COC
1	A	Nitrate Nitrogen	COC	COC	COC	COC	COC
1	A	Biological Oxygen Demand	COC	COC	COC	COC	COC
1	A	carbonate	COC	COC	COC	COC	COC
1	A	nitrite	COC	COC	COC	COC	COC
4	C	Cyanide	COC	COC	COC	COC	COC
4	C	Sulfide	COC	COC	COC	COC	COC
1	A	total phenols	COC	COC	COC	COC	COC
1	A	turbidity	COC	COC	COC	COC	COC
1	A	foaming agents	COC	COC	COC	COC	COC
1	A	oil and grease	COC	COC	COC	COC	COC
1	A	Calcium	COC	COC	COC	COC	COC
1	A	Magnesium	COC	COC	COC	COC	COC
1	A	Sodium	COC	COC	COC	COC	COC
1	A	Potassium	COC	COC	COC	COC	COC
3	C	Acetonitrile	COC	COC	COC	COC	COC
3	C	Acrolein	COC	COC	COC	COC	COC
3	C	Allyl chloride	COC	COC	COC	COC	COC
3	C	Chloroprene	COC	COC	COC	COC	COC
3	C	m-Dichlorobenzene	COC	COC	COC	COC	COC
3	C	Dichlorodifluoromethane (CFC12)	COC	COC	COC	COC	COC
3	C	1,3-Dichloropropane	COC	COC	COC	COC	COC
3	C	2,2-Dichloropropane	COC	COC	COC	COC	COC
3	C	1,1-Dichloropropene	COC	COC	COC	COC	COC
3	C	Ethyl methacrylate	COC	COC	COC	COC	COC
3	C	Isobutyl alcohol	COC	COC	COC	COC	COC
3	C	Methacrylontrile	COC	COC	COC	COC	COC
3	C	Methyl methacrylate	COC	COC	COC	COC	COC
3	C	Propionitrile	COC	COC	COC	COC	COC
5	C	Acenaphthene	COC	COC	COC	COC	COC
5	C	Acenaphthylene	COC	COC	COC	COC	COC
5	C	Acetophenone	COC	COC	COC	COC	COC
5	C	2-Acetylaminoflourene	COC	COC	COC	COC	COC
5	C	4-Aminobiphenyl	COC	COC	COC	COC	COC
5	C	Anthracene	COC	COC	COC	COC	COC
5	C	Benzo(a)anthrancene	COC	COC	COC	COC	COC
5	C	Benzo(b)fluoranthene	COC	COC	COC	COC	COC
5	C	Benzo(k)fluoranthene	COC	COC	COC	COC	COC
5	C	Benzo(ghi)perylene	COC	COC	COC	COC	COC
5	C	Benzo(a)pyrene	COC	COC	COC	COC	COC
5	C	Benzyl alcohol	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethoxy) methane	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethyl) ether	COC	COC	COC	COC	COC
5	C	Bis(2-chloro-1-methylethyl) ether	COC	COC	COC	COC	COC
5	C	Bis(2-ethylhexyl) phthalate	COC	COC	COC	COC	COC
5	C	4-Bromophenyl phenyl ether	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29E6	29E9	29G4s	29L1	29M2
5	C	Butyl benzyl phthalate	COC	COC	COC	COC	COC
5	C	p-Chloroaniline	COC	COC	COC	COC	COC
5	C	Chlorobenzilate	COC	COC	COC	COC	COC
5	C	p-Chloro-m-cresol	COC	COC	COC	COC	COC
5	C	2-Chloronaphthalane	COC	COC	COC	COC	COC
5	C	2-Chlorophenol	COC	COC	COC	COC	COC
5	C	4-Chlorophenyl phenyl ether	COC	COC	COC	COC	COC
5	C	Chrysene	COC	COC	COC	COC	COC
5	C	M+p Cresol	COC	COC	COC	COC	COC
5	C	o- Cresol	COC	COC	COC	COC	COC
5	C	Diallate	COC	COC	COC	COC	COC
5	C	Dibenz(a,h)anthracene	COC	COC	COC	COC	COC
5	C	Dibenzofuran	COC	COC	COC	COC	COC
5	C	Di-n-butyl phthalate	COC	COC	COC	COC	COC
5	C	3,3'-Dichlorobenzidine	COC	COC	COC	COC	COC
5	C	2,4-Dichlorophenol	COC	COC	COC	COC	COC
5	C	2-6- Dichlorophenol	COC	COC	COC	COC	COC
5	C	Diethyl phthalate	COC	COC	COC	COC	COC
5	C	p-(Dimethylamino)azobenzene	COC	COC	COC	COC	COC
5	C	7,12-Dimethylbenz(a)anthracene	COC	COC	COC	COC	COC
5	C	3,3'-Dimethylbenzidine	COC	COC	COC	COC	COC
5	C	2,4-Dimethylphenol	COC	COC	COC	COC	COC
5	C	Dimethyl phthalate	COC	COC	COC	COC	COC
5	C	m-Dinitrobenzene	COC	COC	COC	COC	COC
5	C	4,6-Dinitro-o-cresol	COC	COC	COC	COC	COC
5	C	2,4-Dinitrophenol	COC	COC	COC	COC	COC
5	C	2,4-Dinitrotoluene	COC	COC	COC	COC	COC
5	C	2,6-Dinitrotoluene	COC	COC	COC	COC	COC
5	C	Di-n-octyl phthalate	COC	COC	COC	COC	COC
5	C	Diphenyamine	COC	COC	COC	COC	COC
5	C	Ethyl methansulfonate	COC	COC	COC	COC	COC
5	C	Famphur	COC	COC	COC	COC	COC
5	C	Fluoranthene	COC	COC	COC	COC	COC
5	C	Fluorene	COC	COC	COC	COC	COC
5	C	Hexachlorobenzene	COC	COC	COC	COC	COC
5	C	Hexachlorobutadiene	COC	COC	COC	COC	COC
5	C	Hexachlorocycopentadiene	COC	COC	COC	COC	COC
5	C	Hexachloroethane	COC	COC	COC	COC	COC
5	C	Hexachloropropene	COC	COC	COC	COC	COC
5	C	Indeno(1,2,3-c,d)pyrene	COC	COC	COC	COC	COC
5	C	Isodrin	COC	COC	COC	COC	COC
5	C	Isophorone	COC	COC	COC	COC	COC
5	C	Isosafrole	COC	COC	COC	COC	COC
5	C	Kepone	COC	COC	COC	COC	COC
5	C	Methapyrilene	COC	COC	COC	COC	COC
5	C	3-Methylcholanthrene	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29E6	29E9	29G4s	29L1	29M2
5	C	Methyl methanesulfonate	COC	COC	COC	COC	COC
5	C	2-Methylnaphthalene	COC	COC	COC	COC	COC
5	C	Naphthalene	COC	COC	COC	COC	COC
5	C	1,4-Naphthoquinone	COC	COC	COC	COC	COC
5	C	1-Naphthylamine	COC	COC	COC	COC	COC
5	C	2-Naphthylamine	COC	COC	COC	COC	COC
5	C	o-Nitroaniline	COC	COC	COC	COC	COC
5	C	m-Nitroaniline	COC	COC	COC	COC	COC
5	C	p- Nitroaniline	COC	COC	COC	COC	COC
5	C	Nitrobenzene	COC	COC	COC	COC	COC
5	C	2-Nitrophenol	COC	COC	COC	COC	COC
5	C	4-Nitrophenol	COC	COC	COC	COC	COC
5	C	N-Nitrosodi-n-butylamine	COC	COC	COC	COC	COC
5	C	N-Nitrosodiethylamine	COC	COC	COC	COC	COC
5	C	N-Nitrosodimethylamine	COC	COC	COC	COC	COC
5	C	N-Nitrosodiphenylamine	COC	COC	COC	COC	COC
5	C	N-Nitrosodipropylamine	COC	COC	COC	COC	COC
5	C	N-Nitrosomethylethylamine	COC	COC	COC	COC	COC
5	C	N-Nitrosopiperidine	COC	COC	COC	COC	COC
5	C	N-Nitrosopyrrolidine	COC	COC	COC	COC	COC
5	C	5-Nitro-o-toluidine	COC	COC	COC	COC	COC
5	C	Pentachlorobenzene	COC	COC	COC	COC	COC
5	C	Pentachloronitrobenzene	COC	COC	COC	COC	COC
5	C	Pentachlorophenol	COC	COC	COC	COC	COC
5	C	Phenacetin	COC	COC	COC	COC	COC
5	C	Phenanthrene	COC	COC	COC	COC	COC
5	C	Phenol	COC	COC	COC	COC	COC
5	C	p-Phenylenediamine	COC	COC	COC	COC	COC
5	C	Pronamide	COC	COC	COC	COC	COC
5	C	Pyrene	COC	COC	COC	COC	COC
5	C	Safrole	COC	COC	COC	COC	COC
5	C	1,2,4,5-Tetrachlorobenzene	COC	COC	COC	COC	COC
5	C	2,3,4,6-Tetrachlorophenol	COC	COC	COC	COC	COC
5	C	o-Toluidine	COC	COC	COC	COC	COC
5	C	1,2,4-Trichlorobenzene	COC	COC	COC	COC	COC
5	C	2,4,5-Trichlorophenol	COC	COC	COC	COC	COC
5	C	2,4,6-Trichlorophenol	COC	COC	COC	COC	COC
5	C	0,0,0-Triethyl Phosphorothioate	COC	COC	COC	COC	COC
5	C	sym-Trinitrobenzene	COC	COC	COC	COC	COC
6	C	Aldrin	COC	COC	COC	COC	COC
6	C	alpha-BHC	COC	COC	COC	COC	COC
6	C	beta-BHC	COC	COC	COC	COC	COC
6	C	delta-BHC	COC	COC	COC	COC	COC
6	C	gamma-BHC (Lindane)	COC	COC	COC	COC	COC
6	C	Chlordane	COC	COC	COC	COC	COC
6	C	4,4'-DDD	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29E6	29E9	29G4s	29L1	29M2
6	C	4,4'-DDE	COC	COC	COC	COC	COC
6	C	4,4'-DDT	COC	COC	COC	COC	COC
6	C	Dieldrin	COC	COC	COC	COC	COC
6	C	Endosulfan I	COC	COC	COC	COC	COC
6	C	Endosulfan II	COC	COC	COC	COC	COC
6	C	Endosulfan sulfate	COC	COC	COC	COC	COC
6	C	Endrin	COC	COC	COC	COC	COC
6	C	Endrin aldehyde	COC	COC	COC	COC	COC
6	C	Heptachlor	COC	COC	COC	COC	COC
6	C	Heptachlor epoxide	COC	COC	COC	COC	COC
6		Polychlorinated biphenyls:					
6	C	Aroclor 1016	COC	COC	COC	COC	COC
6	C	Aroclor 1221	COC	COC	COC	COC	COC
6	C	Aroclor 1232	COC	COC	COC	COC	COC
6	C	Aroclor 1242	COC	COC	COC	COC	COC
6	C	Aroclor 1248	COC	COC	COC	COC	COC
6	C	Aroclor 1254	COC	COC	COC	COC	COC
6	C	Aroclor 1260	COC	COC	COC	COC	COC
6	C	Methoxyclor	COC	COC	COC	COC	COC
6	C	Toxaphene	COC	COC	COC	COC	COC
7	C	2,4-D	COC	COC	COC	COC	COC
7	C	Dinoseb	COC	COC	COC	COC	COC
7	C	Silvex	COC	COC	COC	COC	COC
8	C	2,4,5-Trichlorophenoxyacetic acid	COC	COC	COC	COC	COC
8	C	Thionazin	COC	COC	COC	COC	COC
8	C	Dimethoate	COC	COC	COC	COC	COC
8	C	Disulfoton	COC	COC	COC	COC	COC
8	C	Methyl parathion	COC	COC	COC	COC	COC
8	C	Parathion	COC	COC	COC	COC	COC
8	C	Phorate	COC	COC	COC	COC	COC
2	B	Antimony	COC	COC	COC	COC	COC
2	B	Arsenic	COC	COC	COC	COC	COC
2	B	Barium	COC	COC	COC	COC	COC
2	B	Beryllium	COC	COC	COC	COC	COC
2	B	Cadmium	COC	COC	COC	COC	COC
2	B	Chromium	COC	COC	COC	COC	COC
2	B	Cobalt	COC	COC	COC	COC	COC
2	B	Copper	COC	COC	COC	COC	COC
2	B	Lead	COC	COC	COC	COC	COC
2	C	Mercury	COC	COC	COC	COC	COC
2	B	Nickel	COC	COC	COC	COC	COC
2	B	Selenium	COC	COC	COC	COC	COC
2	B	Silver	COC	COC	COC	COC	COC
2	B	Thallium	COC	COC	COC	COC	COC
2	C	Tin	COC	COC	COC	COC	COC
2	B	Vanadium	COC	COC	COC	COC	COC
2	B	Zinc	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29M5	EMP-2	EMP-3	EMP-5	EMP-6	EMP-7
1	A	Bicarbonate Alkalinity	COC	COC	COC	COC	COC	COC
1	A	Nitrate Nitrogen	COC	COC	COC	COC	COC	COC
1	A	Biological Oxygen Demand	COC	COC	COC	COC	COC	COC
1	A	carbonate	COC	COC	COC	COC	COC	COC
1	A	nitrite	COC	COC	COC	COC	COC	COC
4	C	Cyanide	COC	COC	COC	COC	COC	COC
4	C	Sulfide	COC	COC	COC	COC	COC	COC
1	A	total phenols	COC	COC	COC	COC	COC	COC
1	A	turbidity	COC	COC	COC	COC	COC	COC
1	A	foaming agents	COC	COC	COC	COC	COC	COC
1	A	oil and grease	COC	COC	COC	COC	COC	COC
1	A	Calcium	COC	COC	COC	COC	COC	COC
1	A	Magnesium	COC	COC	COC	COC	COC	COC
1	A	Sodium	COC	COC	COC	COC	COC	COC
1	A	Potassium	COC	COC	COC	COC	COC	COC
3	C	Acetonitrile	COC	COC	COC	COC	COC	COC
3	C	Acrolein	COC	COC	COC	COC	COC	COC
3	C	Allyl chloride	COC	COC	COC	COC	COC	COC
3	C	Chloroprene	COC	COC	COC	COC	COC	COC
3	C	m-Dichlorobenzene	COC	COC	COC	COC	COC	COC
3	C	Dichlorodifluoromethane (CFC12)	COC	COC	COC	COC	COC	COC
3	C	1,3-Dichloropropane	COC	COC	COC	COC	COC	COC
3	C	2,2-Dichloropropane	COC	COC	COC	COC	COC	COC
3	C	1,1-Dichloropropene	COC	COC	COC	COC	COC	COC
3	C	Ethyl methacrylate	COC	COC	COC	COC	COC	COC
3	C	Isobutyl alcohol	COC	COC	COC	COC	COC	COC
3	C	Methacrylontrile	COC	COC	COC	COC	COC	COC
3	C	Methyl methacrylate	COC	COC	COC	COC	COC	COC
3	C	Propionitrile	COC	COC	COC	COC	COC	COC
5	C	Acenaphthene	COC	COC	COC	COC	COC	COC
5	C	Acenaphthylene	COC	COC	COC	COC	COC	COC
5	C	Acetophenone	COC	COC	COC	COC	COC	COC
5	C	2-Acetylaminoflourene	COC	COC	COC	COC	COC	COC
5	C	4-Aminobiphenyl	COC	COC	COC	COC	COC	COC
5	C	Anthracene	COC	COC	COC	COC	COC	COC
5	C	Benzo(a)anthrancene	COC	COC	COC	COC	COC	COC
5	C	Benzo(b)fluoranthene	COC	COC	COC	COC	COC	COC
5	C	Benzo(k)fluoranthene	COC	COC	COC	COC	COC	COC
5	C	Benzo(ghi)perylene	COC	COC	COC	COC	COC	COC
5	C	Benzo(a)pyrene	COC	COC	COC	COC	COC	COC
5	C	Benzyl alcohol	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethoxy) methane	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethyl) ether	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloro-1-methylethyl) ether	COC	COC	COC	COC	COC	COC
5	C	Bis(2-ethylhexyl) phthalate	COC	COC	COC	COC	COC	COC
5	C	4-Bromophenyl phenyl ether	COC	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29M5	EMP-2	EMP-3	EMP-5	EMP-6	EMP-7
1	A	Bicarbonate Alkalinity	COC	COC	COC	COC	COC	COC
1	A	Nitrate Nitrogen	COC	COC	COC	COC	COC	COC
1	A	Biological Oxygen Demand	COC	COC	COC	COC	COC	COC
1	A	carbonate	COC	COC	COC	COC	COC	COC
1	A	nitrite	COC	COC	COC	COC	COC	COC
4	C	Cyanide	COC	COC	COC	COC	COC	COC
4	C	Sulfide	COC	COC	COC	COC	COC	COC
1	A	total phenols	COC	COC	COC	COC	COC	COC
1	A	turbidity	COC	COC	COC	COC	COC	COC
1	A	foaming agents	COC	COC	COC	COC	COC	COC
1	A	oil and grease	COC	COC	COC	COC	COC	COC
1	A	Calcium	COC	COC	COC	COC	COC	COC
1	A	Magnesium	COC	COC	COC	COC	COC	COC
1	A	Sodium	COC	COC	COC	COC	COC	COC
1	A	Potassium	COC	COC	COC	COC	COC	COC
3	C	Acetonitrile	COC	COC	COC	COC	COC	COC
3	C	Acrolein	COC	COC	COC	COC	COC	COC
3	C	Allyl chloride	COC	COC	COC	COC	COC	COC
3	C	Chloroprene	COC	COC	COC	COC	COC	COC
3	C	m-Dichlorobenzene	COC	COC	COC	COC	COC	COC
3	C	Dichlorodifluoromethane (CFC12)	COC	COC	COC	COC	COC	COC
3	C	1,3-Dichloropropane	COC	COC	COC	COC	COC	COC
3	C	2,2-Dichloropropane	COC	COC	COC	COC	COC	COC
3	C	1,1-Dichloropropene	COC	COC	COC	COC	COC	COC
3	C	Ethyl methacrylate	COC	COC	COC	COC	COC	COC
3	C	Isobutyl alcohol	COC	COC	COC	COC	COC	COC
3	C	Methacrylontrile	COC	COC	COC	COC	COC	COC
3	C	Methyl methacrylate	COC	COC	COC	COC	COC	COC
3	C	Propionitrile	COC	COC	COC	COC	COC	COC
5	C	Acenaphthene	COC	COC	COC	COC	COC	COC
5	C	Acenaphthylene	COC	COC	COC	COC	COC	COC
5	C	Acetophenone	COC	COC	COC	COC	COC	COC
5	C	2-Acetylaminoflourene	COC	COC	COC	COC	COC	COC
5	C	4-Aminobiphenyl	COC	COC	COC	COC	COC	COC
5	C	Anthracene	COC	COC	COC	COC	COC	COC
5	C	Benzo(a)anthrancene	COC	COC	COC	COC	COC	COC
5	C	Benzo(b)fluoranthene	COC	COC	COC	COC	COC	COC
5	C	Benzo(k)fluoranthene	COC	COC	COC	COC	COC	COC
5	C	Benzo(ghi)perylene	COC	COC	COC	COC	COC	COC
5	C	Benzo(a)pyrene	COC	COC	COC	COC	COC	COC
5	C	Benzyl alcohol	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethoxy) methane	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloroethyl) ether	COC	COC	COC	COC	COC	COC
5	C	Bis(2-chloro-1-methylethyl) ether	COC	COC	COC	COC	COC	COC
5	C	Bis(2-ethylhexyl) phthalate	COC	COC	COC	COC	COC	COC
5	C	4-Bromophenyl phenyl ether	COC	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29M5	EMP-2	EMP-3	EMP-5	EMP-6	EMP-7
5	C	Methyl methanesulfonate	COC	COC	COC	COC	COC	COC
5	C	2-Methylnaphthalene	COC	COC	COC	COC	COC	COC
5	C	Naphthalene	COC	COC	COC	COC	COC	COC
5	C	1,4-Naphthoquinone	COC	COC	COC	COC	COC	COC
5	C	1-Naphthylamine	COC	COC	COC	COC	COC	COC
5	C	2-Naphthylamine	COC	COC	COC	COC	COC	COC
5	C	o-Nitroaniline	COC	COC	COC	COC	COC	COC
5	C	m-Nitroaniline	COC	COC	COC	COC	COC	COC
5	C	p- Nitroaniline	COC	COC	COC	COC	COC	COC
5	C	Nitrobenzene	COC	COC	COC	COC	COC	COC
5	C	2-Nitrophenol	COC	COC	COC	COC	COC	COC
5	C	4-Nitrophenol	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodi-n-butylamine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodiethylamine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodimethylamine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodiphenylamine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosodipropylamine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosomethylethylamine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosopiperidine	COC	COC	COC	COC	COC	COC
5	C	N-Nitrosopyrrolidine	COC	COC	COC	COC	COC	COC
5	C	5-Nitro-o-toluidine	COC	COC	COC	COC	COC	COC
5	C	Pentachlorobenzene	COC	COC	COC	COC	COC	COC
5	C	Pentachloronitrobenzene	COC	COC	COC	COC	COC	COC
5	C	Pentachlorophenol	COC	COC	COC	COC	COC	COC
5	C	Phenacetin	COC	COC	COC	COC	COC	COC
5	C	Phenanthrene	COC	COC	COC	COC	COC	COC
5	C	Phenol	COC	COC	COC	COC	COC	COC
5	C	p-Phenylenediamine	COC	COC	COC	COC	COC	COC
5	C	Pronamide	COC	COC	COC	COC	COC	COC
5	C	Pyrene	COC	COC	COC	COC	COC	COC
5	C	Safrole	COC	COC	COC	COC	COC	COC
5	C	1,2,4,5-Tetrachlorobenzene	COC	COC	COC	COC	COC	COC
5	C	2,3,4,6-Tetrachlorophenol	COC	COC	COC	COC	COC	COC
5	C	o-Toluidine	COC	COC	COC	COC	COC	COC
5	C	1,2,4-Trichlorobenzene	COC	COC	COC	COC	COC	COC
5	C	2,4,5-Trichlorophenol	COC	COC	COC	COC	COC	COC
5	C	2,4,6-Trichlorophenol	COC	COC	COC	COC	COC	COC
5	C	0,0,0-Triethyl Phosphorothioate	COC	COC	COC	COC	COC	COC
5	C	sym-Trinitrobenzene	COC	COC	COC	COC	COC	COC
6	C	Aldrin	COC	COC	COC	COC	COC	COC
6	C	alpha-BHC	COC	COC	COC	COC	COC	COC
6	C	beta-BHC	COC	COC	COC	COC	COC	COC
6	C	delta-BHC	COC	COC	COC	COC	COC	COC
6	C	gamma-BHC (Lindane)	COC	COC	COC	COC	COC	COC
6	C	Chlordane	COC	COC	COC	COC	COC	COC
6	C	4,4'-DDD	COC	COC	COC	COC	COC	COC

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TABLE 2 (CONT.) – COCs FOR COASTAL / SANTA CLARA LANDFILL ASSESSMENT MONTORING PROGRAM WELLS (December 12, 2002)

Group	Comment	Constituent	29M5	EMP-2	EMP-3	EMP-5	EMP-6	EMP-7
6	C	4,4'-DDE	COC	COC	COC	COC	COC	COC
6	C	4,4'-DDT	COC	COC	COC	COC	COC	COC
6	C	Dieldrin	COC	COC	COC	COC	COC	COC
6	C	Endosulfan I	COC	COC	COC	COC	COC	COC
6	C	Endosulfan II	COC	COC	COC	COC	COC	COC
6	C	Endosulfan sulfate	COC	COC	COC	COC	COC	COC
6	C	Endrin	COC	COC	COC	COC	COC	COC
6	C	Endrin aldehyde	COC	COC	COC	COC	COC	COC
6	C	Heptachlor	COC	COC	COC	COC	COC	COC
6	C	Heptachlor epoxide	COC	COC	COC	COC	COC	COC
6		Polychlorinated biphenyls:						
6	C	Aroclor 1016	COC	COC	COC	COC	COC	COC
6	C	Aroclor 1221	COC	COC	COC	COC	COC	COC
6	C	Aroclor 1232	COC	COC	COC	COC	COC	COC
6	C	Aroclor 1242	COC	COC	COC	COC	COC	COC
6	C	Aroclor 1248	COC	COC	COC	COC	COC	COC
6	C	Aroclor 1254	COC	COC	COC	COC	COC	COC
6	C	Aroclor 1260	COC	COC	COC	COC	COC	COC
6	C	Methoxyclor	COC	COC	COC	COC	COC	COC
6	C	Toxaphene	COC	COC	COC	COC	COC	COC
7	C	2,4-D	COC	COC	COC	COC	COC	COC
7	C	Dinoseb	COC	COC	COC	COC	COC	COC
7	C	Silvex	COC	COC	COC	COC	COC	COC
8	C	2,4,5-Trichlorophenoxyacetic acid	COC	COC	COC	COC	COC	COC
8	C	Thionazin	COC	COC	COC	COC	COC	COC
8	C	Dimethoate	COC	COC	COC	COC	COC	COC
8	C	Disulfoton	COC	COC	COC	COC	COC	COC
8	C	Methyl parathion	COC	COC	COC	COC	COC	COC
8	C	Parathion	COC	COC	COC	COC	COC	COC
8	C	Phorate	COC	COC	COC	COC	COC	COC
2	B	Antimony	COC	COC	COC	COC	COC	COC
2	B	Arsenic	COC	COC	COC	COC	COC	COC
2	B	Barium	COC	COC	COC	COC	COC	COC
2	B	Beryllium	COC	COC	COC	COC	COC	COC
2	B	Cadmium	COC	COC	COC	COC	COC	COC
2	B	Chromium	COC	COC	COC	COC	COC	COC
2	B	Cobalt	COC	COC	COC	COC	COC	COC
2	B	Copper	COC	COC	COC	COC	COC	COC
2	B	Lead	COC	COC	COC	COC	COC	COC
2	C	Mercury	COC	COC	COC	COC	COC	COC
2	B	Nickel	COC	COC	COC	COC	COC	COC
2	B	Selenium	COC	COC	COC	COC	COC	COC
2	B	Silver	COC	COC	COC	COC	COC	COC
2	B	Thallium	COC	COC	COC	COC	COC	COC
2	C	Tin	COC	COC	COC	COC	COC	COC
2	B	Vanadium	COC	COC	COC	COC	COC	COC
2	B	Zinc	COC	COC	COC	COC	COC	COC

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TABLE 3 – MPARs AND COCs FOR COASTAL / SANTA CLARA LANDFILL STANDBY MONTORING WELLS (December 12, 2002)

Constituent	29A2s	29A2d	29C2d	28C7m	28C7d	28C8m	28C8d	29D2	29D4	29D5	29D9	29E7
Acetone	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Acrylonitrile	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Benzene	COC	COC	COC	COC	**MPar**	COC	COC	MPar	COC	COC	COC	COC
Bromochloromethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Bromodichloromethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Bromoform	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Carbon disulfide	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Carbon tetrachloride	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Chlorobenzene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Chloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Chloroform	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Dibromochloromethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,2-Dibromo-3-Chloropropane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,2-Dibromoethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
o-Dichlorobenzene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
p-Dichlorobenzene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
trans-1,4-Dichloro-2-butene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,1-Dichloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,2-Dichloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,1-Dichloroethylene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
cis-1,2-Dichloroethylene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
trans-1,2-Dichloroethylene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,2-Dichloropropane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
cis-1,3-Dichloropropene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
trans-1,3-Dichloropropene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Ethyl benzene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
2-Hexanone	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Methyl bromide	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Methyl chloride	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Methyl Ethyl Ketone	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Methyl iodide	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
4-Methyl-2-pentanone	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Methylene bromide	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Methylene chloride	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Styrene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,1,1,2-Tetrachloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,1,2,2-Tetrachloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Tetrachloroethylene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Toluene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,1,1-Trichloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,1,2-Trichloroethane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Trichloroethylene	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Trichlorofluoromethane (CFC11)	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
1,2,3-Trichloropropane	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Vinyl acetate	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC
Vinyl Chloride	COC	COC	COC	COC	MPar	COC	COC	**Mpar**	COC	COC	COC	COC
Xylenes, m- & o+p	COC	COC	COC	COC	MPar	COC	COC	MPar	COC	COC	COC	COC

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* = Well to be destroyed

TABLE 3 (CONT.) – MPARs AND COCs FOR COASTAL / SANTA CLARA LANDFILL STANDBY MONTORING WELLS (December 12, 2002)

Constituent	29E8	29F5	29F6	29G4m	29G4d	29L2	29L3	29M3	29M4	29M6	29M7
Acetone	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Acrylonitrile	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Benzene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Bromochloromethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Bromodichloromethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Bromoform	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Carbon disulfide	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Carbon tetrachloride	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Chlorobenzene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Chloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Chloroform	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Dibromochloromethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,2-Dibromo-3-Chloropropane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,2-Dibromoethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
o-Dichlorobenzene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
p-Dichlorobenzene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
trans-1,4-Dichloro-2-butene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,1-Dichloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,2-Dichloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,1-Dichloroethylene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
cis-1,2-Dichloroethylene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
trans-1,2-Dichloroethylene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,2-Dichloropropane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
cis-1,3-Dichloropropene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
trans-1,3-Dichloropropene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Ethyl benzene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
2-Hexanone	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Methyl bromide	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Methyl chloride	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Methyl Ethyl Ketone	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Methyl iodide	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
4-Methyl-2-pentanone	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Methylene bromide	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Methylene chloride	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Styrene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,1,1,2-Tetrachloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,1,2,2-Tetrachloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Tetrachloroethylene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Toluene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,1,1,-Trichloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,1,2,-Trichloroethane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Trichloroethylene	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Trichlorofluoromethane (CFC11)	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
1,2,3-Trichloropropane	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Vinyl acetate	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Vinyl Chloride	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC
Xylenes, m- & o+p	COC	COC	COC	COC	COC		COC	COC	COC	COC	COC

Constituents highlighted in bold are in "tracking"mode. All others are in detection mode.
Monitoring wells and constituents are subject to updates pursuant to M&RP CI-5664

* = Well to be destroyed

FIGURE 1 – COASTAL / SANTA CLARA LANDFILL WELL LOCATIONS