RIVERSIDE COUNTY
DEPARTMENT OF
WASTE RESOURCES

Soil Waste Acceptance Program

August 2015

Updated May 2019

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1. PURPOSE

This Soil Waste Acceptance Program (SWAP) has been developed by Riverside County Department of Waste Resources (Department) to address updated SWAP requirements established by the California Regional Water Quality Control Board Order Number R8-2016-0052, amendments to waste discharge requirements for disposal and or reuse of nonhazardous/non-designated contaminated soils at active municipal solid waste landfills within the Region.

As stated by the Santa Ana Regional Water Quality Control Board (Region 8), soils contaminated with moderate concentrations of Total Petroleum Hydrocarbons (TPH), Volatile Organic Compounds (VOC), Semi-Volatile Organic Compounds (SVOC), organochlorine pesticides, Polychlorinated Biphenyls (PCB), and California Administrative Manual (CAM) metals, are waste as defined in California Water Code (CWC) §13050 and are required to be regulated under waste discharge requirements pursuant to CWC §13263(a). The discharge of such wastes to land could affect the quality of the waters of the State if not properly managed.

Once approved, the SWAP will be incorporated into the Department's Waste Acceptance Policy Guide (http://www.rcwaste.org/wasteguide).

The Department will implement the SWAP, together with the Waste Approval Process (http://www.rcwaste.org/wasteapproval) developed by the Department for the customers, to screen and accept contaminated soil for disposal or beneficial reuse at its active landfill sites operated by the Department.

2. RESPONSIBILITIES

2.1. Waste Approval Staff

The Department's Waste Approval Staff (WAS) include Program Coordinators or Program Administrator assigned to the Waste Approval and Hazardous Waste Inspection programs. The WAS are responsible for all wastes which are out of the ordinary, including waste covered by order number R8-2016-0052. These wastes shall be directed to the Department's WAS for review and approval. The WAS have the following responsibilities regarding waste approval:

- Implement, enforce and maintain a SWAP in compliance with current regulations and Waste Discharge Requirements (WDRs).
- Review and approve soil in accordance with the Department's SWAP.
- Secure adequate resources to maintain a compliant SWAP which protects the health and safety of the general public, site visitors, Department employees and the environment.

This SWAP and the responsibilities of the Department's WAS for waste approval is limited to evaluating the efforts made by the generator to test and classify their waste stream and not to perform such classifications for the generator. Based on information provided by the generator, including the signed profile sheet, the WAS are to establish a level of confidence for the Department that the generator has honestly and appropriately evaluated and classified their waste stream and that based on the information provided, the waste is not a hazardous waste and meets current WDR criteria for acceptance in a manner which is consistent with the WDR and is in compliance with applicable law.

2.2. Customer/Generator

State law places the sole responsibility for properly determining whether a waste is a regulated hazardous waste on the generator of that waste, and the generator of a particular waste stream is ultimately responsible for the proper management of that waste (Title 22 CCR Article 3 Section 66260.200). As such it is the generator's responsibility to properly

evaluate and identify all suspected contaminants in their waste and the level at which these contaminants are present in their soil.

Customers must complete the Department's Form WM 605 - Generator Waste Profile Sheet including the certification statement and signature block in which the generator or authorized representative certifies the information is true and correct. Supply all information and documentation requested by the WAS or their designee and upon approval, present a copy of the completed signed profile sheet inclusive of the Department's stamp of approval at the landfill gate for acceptance.

3. SOIL LOAD LESS THAN 20 TONS

Each operating day soil arrives to Department landfills from many sources in different quantities and conditions. Small quantities of soils are often delivered separately or commingled with solid waste from residential improvements, gardeners, swimming pool and septic tank installations, small utility contractors and other benign operations in which contamination is not suspected or frequently encountered. Waste loads containing less than twenty tons are accepted without prior approval. These small waste loads are subject to the Department's random Hazardous Waste Load Checking Program. Records for these inspections and incidents in which prohibited waste is found are kept at the Department's headquarters building for review. When contamination is suspected through the load check program and the soil load is rejected and information regarding the SWAP is supplied to the generator.

4. SOIL EVALUATION PROCESS

All soil loads for which contamination is known through customer information or suspected through the load check program are subject to the SWAP evaluation process. All soil loads greater than 20 tons are subject to the SWAP and require pre-approval. The first step in soil evaluation, require the generator/customer or their contracted environmental representative to complete and sign the Department's Form WM 605 - Generator Waste Profile Sheet available in Attachment 1 of this document. The form includes a generator certification statement and signature block in which the generator or authorized representative certifies the information is true and correct.

Once the signed profile sheet is received, the WAS will review the form to evaluate the level of information necessary to provide a "level of confidence" to the Department that the generator is knowledgeable regarding site history and possible contamination of the soil and if necessary, has properly evaluated the soil for acceptance to a Department landfill.

In situations where the profile sheet indicates no regulated contamination would be suspected such as land development in undisturbed areas, new road construction and residential area improvements, the soil may be accepted with no further testing required. In these cases the information is supplied to the Hazardous Waste Load Checking Program and at the discretion of the Department, the waste loads may be inspected upon delivery to the landfill or a trained Hazardous waste Inspector may visit the site to verify the information in the profile sheet.

For soil in which contamination is known (i.e. remediation, industrial spill, etc.) or suspected (i.e. site history, illegal disposal, etc.) sampling and analysis will be required. Department will provide the customer with soil sampling frequency as outlined in Section 6, testing parameters, and testing methods for lab analysis for suspected contaminants as outlined in the Department's Waste Approval Process and Section 7 below. The information provided shall include the signed profile sheet, sampling plan, signed chain of custodies for all samples and copies of lab reports from a laboratory accredited through the California Environmental Laboratory Accreditation Program (ELAP) which is certified in the specific Field of Testing (FOTs) for the contaminants of concern.

The WAS shall enter all testing results into the Department's Waste Approval Analytical Results Review Spreadsheets which compare sample results to criteria contamination concentrations restrictions levels for each criteria in Section 5 below, including unrestricted use, disposal in

unlined and lined units of landfills and Non-Acceptance. Copies of the Waste Approval Analytical Results Review Spreadsheets can be found in Attachment 2 of this document. The values used in this comparison include CCR Title 22 Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) values, EPA Toxicity Characteristic Leaching Procedure (TCLP) values, pH and Specific Conductance, Regional Screening Levels (RSLs) for residential sites established by the USEPA, Environmental Screening Levels (ESLs) for "Soil Tier 1" and "Leaching to Groundwater" established by the San Francisco Bay Regional Board, Maximum Contaminant Level (MCL) for drinking water, Individual Carbon Chains and Total Petroleum Hydrocarbon contamination levels. The constituent will only be compared to ESL list if that constituent doesn't have the RSL limit and if no RSL or ESL, the constituent will be compared to MCL limit.

For non-hazardous waste soil which meets one of the acceptance criteria in Section 5 below, the WAS or their designee will sign the profile sheet and indicate the approved use, disposal location or acceptance denial in the "Conditions" section of the Department's Form WM 605 - Generator Waste Profile Sheet available in the Forms section of this document

5. CONTAMINATED SOILS USE/DISPOSAL

As stated above in Section 4, when necessary testing data is entered into the Department's Waste Approval Analytical Results Review Spreadsheets, the soil will be assigned one of the use or disposal options below as follows:

5.1. Criteria for Unrestricted Onsite Use of Contaminated Soils

Non-hazardous contaminated soils that do not exceed the following threshold criteria may be disposed of or used onsite at any portion of the landfills:

a. For petroleum hydrocarbon contaminated soils, the threshold concentration is an average total petroleum hydrocarbon (TPH) concentration that does not exceed 50 mg/kg in the gasoline range (C_4-C_{12}), or an average concentration that does not exceed 100 mg/kg in the diesel range (C_{13}-C_{22}), or an average concentration that does not exceed 1,000 mg/kg in heavy oil range (C_{23+}) hydrocarbons. The TPH for full chain of hydrocarbons (gasoline, Diesel, and heavy oils) cannot exceed 1,000 mg/kg.

b. Threshold concentration levels for constituents other than petroleum hydrocarbons require to be profiled to comply with disposal requirements of this policy and includes:

    i. Soils with an average, contaminant-specific concentration that does not exceed the Regional Screening Levels (RSLs)[1] for residential sites established by the U.S. Environmental Protection Agency (USEPA).

    ii. In absence of RSL limits, soils with an average, contaminant-specific concentration that does not exceed an Environmental Screening Level (ESL)[2] for "Soil Tier 1" established by the San Francisco Bay Regional Board.

    iii. For soils for which the RSL or ESL have not been established, an average contaminant-specific concentration shall not exceed, on a per weight basis[3] 10 times the maximum contaminant level (MCL) for drinking water,

[1] USEPA Region 9 RSL tables are located at: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. RSLs with target cancer risk (TR) of 1E-06 and target hazard quotients (THQ) of 1.0 should be used to establish threshold levels.
[2] San Francisco Bay Regional Board ESLs are located at: http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/ESL/ESL%20Workbook_ESLs_Interim%20Final_22Feb16_Rev3_PDF.pdf
[3] For example, soil results reported in mg/Kg should be compared to an MCL in mg/L.

established by the USEPA or the State Water Board's Division of Drinking Water, whichever is more stringent.

iv. Soils with an average pH that does not exceed 9 or fall below 6, the established criteria for pH in the Basin Plan.

v. Soils with an average concentration that does not exceed 2,000 micromhos per centimeter (µmhos/cm), the established criteria for Specific Conductance in the Basin Plan.

5.2. Criteria for Disposal of Contaminated Soils to Unlined Units of Landfills

Non-hazardous contaminated soils that do not exceed the following threshold criteria may be disposed of at **unlined units** of the landfills.

a. Soils contaminated with an average concentration that does not exceed 500 mg/kg in the C_4-C_{12} carbon-chain range, or 5,000 mg/kg in the C_{13}-C_{22} carbon-chain range, or an average TPH concentration that does not exceed 50,000 mg/kg.

b. Soils with an average, contaminant-specific concentration that does not exceed the RSL for industrial sites established by the USEPA.

c. In the absence of RSL limits, soils with an average, contaminant-specific concentration does not exceed an ESL for "Leaching to Groundwater" established by the San Francisco Bay Regional Board.

d. Soils contaminated with VOCs, SVOCs, organochlorine pesticides, PCBs, or CAM metals shall not be disposed of at unlined portions, of MSW landfills if the contaminant exceeds 100 times an established MCL, on a per-weight basis.

e. Soils with an average concentration that does not exceed 9 or fall below 6, the established criteria for pH in the Basin Plan.

f. Soils with average concentration that does not exceed 2,000 micromhos per centimeter (µmhos/cm), the established for Specific Conductance in the Basin Plan.

5.3. Criteria for Disposal of Contaminated Soils to Composite-Lined Units of Landfills

a. Non-hazardous soils contaminated with TPH, VOCs, SVOCs, organochlorine pesticides, PCBs, or CAM metals at concentrations exceeding criteria established for unlined landfills in Section 5.2, above, but meeting the criteria listed below, may be disposed of at a lined unit of the landfills:

i. Soils contaminated with an average concentration that does not exceed 1,000 mg/kg in the C_4-C_{12} carbon-chain range, or 10,000 mg/kg in the C_{13}-C_{22} carbon-chain range, or an average TPH concentration of 75,000 mg/kg.

ii. Soils contaminated with a PCB concentration less than 50 mg/kg, which has been established under 40 CFR §761.61(a)(5)(v)(A)(1).

iii. Soils with an average concentration that does not exceed 12 or falls below 2 for pH.

iv. Soils with an average concentration that exceeds 2,000 µmhos/cm.

5.4. Criteria for Contaminated Soil Generated by Official County Operations

Soils inadvertently contaminated at a Riverside County owned and operated site or during official County business such as unforeseen or non-preventable oil spills, auto accident response, storm drain clean out and maintenance or County property remediation with an average concentration lower than 1,000 mg/kg in the C_4-C_{12} carbon-chain range, or 10,000 mg/kg in the C_{13}-C_{22} carbon-chain range, or an average TPH concentration lower than 75,000 mg/kg, may be discharged at a lined portion of a Class III landfill which is owned and operated by the County.

6. SAMPLING FREQUENCY

Contaminated soil sampling frequencies are listed in Table 1 below:

CUBIC YARDS OF SOIL	NO. OF SAMPLES
Less than 100*	2
101 to 500	4
501 to 2500	6
For each 500 CY greater than 2500**	1 additional sample

* For quantities less than 20 CYs, no sampling is required.
** For quantities greater than 20,000 CYs, an alternative sampling frequency may be considered.

Representative grab samples must be collected for analysis; composite sampling is not acceptable.

7. TEST METHODS

Depending on the contamination whether is known (i.e. remediation, industrial spill, etc.) or suspected (i.e. site history, illegal disposal, etc.) the following test methods will be required:

- CAM17 Heavy Metals, EPA Method 6010B
- Pesticides with No PCBs, EPA Method 8081A
- Pesticides with PCBs, EPA Method 8080A
- Herbicides, EPA Method 8151A
- Volatile Organics and BTEX, EPA Method 5035A or 8021B or 8260B
- Semi-Volatile Organics with No PCBs, EPA Method 8270C
- Semi-Volatile Organics with PCBs, EPA Method 8270D
- Specific Conductance, Saturated Paste Extraction Method
- pH, EPA Method 150.1
- Dioxins, EPA Method 8290
- TPH, EPA Method 8015B or M
- PAH, EPA Method 8310
- Other: _____

Attachments

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Attachment 1- Form WM650 – Generator Waste Profile Sheet

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RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES

GENERATOR WASTE PROFILE SHEET

Waste Profile # (Office Use Only)

Date:

Requested Disposal Facility:

- ☐ Badlands Landfill, Moreno Valley, CA
- ☐ Mecca II Landfill, Mecca, CA
- ☐ Blythe Landfill, Blythe, CA
- ☐ Lamb Canyon Landfill, Beaumont, CA
- ☐ Oasis Landfill, Oasis, CA
- ☐ El Sobrante Landfill, Corona, CA

Please ensure to complete all applicable fields and include supporting and/or signed analytical documents when submitting the form to Waste-Approval@rivco.org. The completion of this form does not guarantee disposal at a Riverside County Landfills listed above. Disposal of any solid waste shall be at the sole discretion of Riverside County Landfills. For any questions regarding this form or how to fill it out, please contact the RCDWR Waste Approval Staff at Waste-Approval@rivco.org or (951) 486-3200. ***Depending on the complexity of the request, the review of the waste approval request may take up to 5 business days.***

I. WASTE GENERATOR INFORMATION

Generator Name:			
Generator Site Address:			
City:	County:	State:	Zip:
Generator Mailing Address (if different):			
City:	County:	State:	Zip:
Address Where Waste Was Generated:			
City:	County:	State:	Zip:
Generator Contact Name:			
Phone Number:		Fax Number:	

II. TRANSPORTER INFORMATION

Transporter Name:		Contact Name:	
Transporter Address:			
City:	County:	State:	Zip:
Phone Number:		Fax Number:	

III. PAYMENT INFORMATION

Method of Payment (please ensure the driver have the payment upon arrival at the landfill Fee Booth):

☐ Cash ☐ ATM/Debit ☐ Visa/MasterCard ☐ Payment Account (If payment account is desired, please call (951) 486-3200)

IV. WASTE STREAM INFORMATION

Name of Waste:

Process Generating Waste (for contaminated soil, describe the site history including all business types once located on the property, attach additional pages if necessary, applicable environmental assessment reports shall also be attached):

Physical State: ☐ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: _____

Method of Shipment: ☐ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: _____

Estimated Annual Volume:	☐ CUBIC YARD _____	☐ TONS _____	☐ GALLONS _____	☐ OTHER _____

Shipping Frequency: ☐ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER: _____

Estimated Quantity for each Shipment:	☐ CUBIC YARD _____	☐ TONS _____	☐ GALLONS _____	☐ OTHER _____

Vehicle Type used to Transport Waste: ☐ PICK-UP ☐ END DUMP ☐ OTHER: _____

V. REPRESENTATIVE SAMPLE CERTIFICATION

By signing below I certify that the sampling plan used and samples submitted for analysis are sufficient in number and quantity to provide a representative profile of the subject waste stream and that all samples collected were analyzed for all suspect hazardous parameters and that the testing was done in in accordance to Article 3 of Chapter 11 hazardous waste (sections 66261.21 to 66261.24).	
Sample Date:	Type of Sample: ☐ GRAB SAMPLE ☐ COMPOSITE SAMPLE
Laboratory:	Sample ID Numbers:
Sampler's Employer:	
Sampler's Name (printed):	Signature:

VI. PHYSICAL CHARACTERISTICS OF WASTE

Characteristic Components				**% by Weight (range)**	
1.					
2.					
3.					
4.					
Color:	Odor (describe)	% Moisture	% Solid	Flash Point	pH
_____	_____	_____	_____	_____	_____

Attach Laboratory Analytical Report (and/or Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste exhibit any characteristic of ignitability as defined in Article 3 of Chapter 11 hazardous waste, section 66261.21?	☐ Yes or ☐ No
Does this waste exhibit any characteristic of corrosivity as defined in Article 3 of Chapter 11 hazardous waste, section 66261.22?	☐ Yes or ☐ No
Does this waste exhibit any characteristic of reactivity as defined in Article 3 of Chapter 11 hazardous waste, section 66261.23?	☐ Yes or ☐ No
Does this waste exhibit any characteristic of toxicity as defined in Article 3 of Chapter 11 hazardous waste, section 66261.24?	☐ Yes or ☐ No
Is there asbestos-containing material (ACM) in the waste as defined by 40 CFR 61.141? If Yes, ☐ Friable or ☐ Non-Friable	☐ Yes or ☐ No
Is this waste a RCRA hazardous waste as defined in Title 22 CCR, Chapter 11, Article 4?	☐ Yes or ☐ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☐ No

Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☐ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☐ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☐ No

VII. GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and an accurate description of the waste material being offered for disposal and that all known or suspected hazards have been disclosed. All Analytical Results/Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by the Riverside County Department of Waste Resources (RCDWR). The undersigned individual warrants that he/she is authorized to sign this document on behalf of the Generator.

_____ Authorized Representative Name and Title (Printed or Typed)	_____ Company Name
_____ Authorized Representative Signature	_____ Date

VIII. RIVERSIDE COUNTY DEPARTMENT OF WASTE RESOURCES APPROVAL

Approved ☐	Rejected ☐	Approval Date:
Conditions:		

_____ Approving Representative Name and Title (Printed or Typed)	_____ Date
_____ Approving Representative Signature	

Attachment 2 - Waste Approval Process Analytical Results Review Spreadsheets

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WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

Total Petroleum Hydrocarbons (TPH)

Only fill in the light pink highlighted cells

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Total Petroleum Hydrocarbons (TPH) Limits for Unrestricted Onsite Use of Contaminated Soil			
Analytes	**TPH Result mg/kg**	**TPH Limit mg/kg**	**Result Below TPH Limit Level?**
Total Petroleum Hydrocarbon (TPH), Gasoline Range (C_4-C_{12})		50	
Total Petroleum Hydrocarbon (TPH), Diesel Range (C_{13}-C_{22})		100	
Total Petroleum Hydrocarbon (TPH), Heavy Oil Range (C_{23+})		1,000	
Total Petroleum Hydrocarbon (TPH), Gasoline, Diesel, and Heavy Oils, Full Range		1,000	

If the result is ND (Non-detectable), enter the actual detection limit as the result and use blue color for the font.

Total Petroleum Hydrocarbons (TPH) Limits for Disposal of Contaminated Soil to Unlined Units of Landfills			
Analyte(s)	**TPH Result mg/kg**	**TPH Limit mg/kg**	**Result Below TPH Limit Level?**
Total Petroleum Hydrocarbon (TPH), Gasoline Range (C_4-C_{12})		500	
Total Petroleum Hydrocarbon (TPH), Diesel Range (C_{13}-C_{22})		5,000	
Total Petroleum Hydrocarbon (TPH), Gasoline, Diesel, and Heavy Oils, Full Range		50,000	

If the result is ND (Non-detectable), enter the actual detection limit as the result and use blue color for the font.

Total Petroleum Hydrocarbons (TPH) Limits for Disposal of Contaminated Soil to lined Units of Landfills			
Analytes	**TPH Result mg/kg**	**TPH Limit mg/kg**	**Result Below TPH Limit Level?**
Total Petroleum Hydrocarbon (TPH), Gasoline Range (C_4-C_{12})		1,000	
Total Petroleum Hydrocarbon (TPH), Diesel Range (C_{13}-C_{22})		10,000	
Total Petroleum Hydrocarbon (TPH), Gasoline, Diesel, and Heavy Oils, Full Range		75,000	

If the result is ND (Non-detectable), enter the actual detection limit as the result and use blue color for the font.

pH and Specific Conductance (SC)

Only fill in the light pink highlighted cells

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

pH and SC Limits for Unrestricted Onsite Use of Contaminated Soil and Unlined Units of Landfills			
If both pH unit and SC results are "Yes", then acceptable for onsite use or unlined units of landfills.			
Analytes	**Results**	**Limits**	**Result Meeting Limit Level?**
pH (unit)		6-9	
Specific Conductance (SC) (umhos/cm)		Less than or equal to 2000	

pH and SC Limits for Disposal at Lined Units of the Landfill			
If both pH unit and SC results are "Yes", then acceptable for lined units of the landfill.			
Analytes	**Results**	**Limits**	**Result Meeting Limit Level?**
pH (unit)		2.0-12.0	
Specific Conductance (SC) (umhos/cm)		Greater than 2000	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

CCR Title 22 CAM 17 Metals AKA Inorganic Persistent and Bioaccumulative Toxic Substances (TTLC and STLC)

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Only fill in the light pink highlighted cells

Analytical Comparison								
Analytes	**TTLC Result (mg/kg)**	**TTLC Regulatory Limit (mg/kg)**	**Is TTLC Result Below TTLC Regulatory Limit?**	**TTLC Result / 10**	**Is the "TTLC/10 result greater than STLC Limit ? If yes, STLC analysis is required.**	**STLC Result (mg/L)**	**STLC Regulatory Limit (mg/L)**	**Is STLC Result Below STLC Regulatory Level?**
Inorganic Parameters/Metals (EPA Method 6010B)								
Antimony		500					15	
Arsenic		500					5	
Barium		10,000					100	
Beryllium		75					0.75	
Cadmium		100					1	
Total Chromium		2,500					560	
Cobalt		8,000					80	
Copper		2,500					25	
Lead (inorganic)		1,000					5	
Mercury		20					0.2	
Molybdenum		3,500					350	
Nickel		2,000					20	
Selenium		100					1	
Silver		500					5	
Thallium		700					7	
Vanadium		2,400					24	
Zinc		5,000					250	

If the result is ND (Non-detectable), enter the actual detection limit as the result and use blue color for the font.

List of Organic Persistent and Bioaccumulative Toxic Substances TTLC and STLC

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Only fill in the light pink highlighted cells

Analytical Comparison								
Analytes	**TTLC Result (mg/kg)**	**TTLC Regulatory Limit (mg/kg)**	**Is TTLC Result Below TTLC Regulatory Limit?**	**TTLC Result / 10**	**Is the "TTLC/10" result greater than STLC Limit ? If yes, STLC analysis is required.**	**STLC Result (mg/L)**	**STLC Regulatory Limit (mg/L)**	**Is STLC Result Below STLC Regulatory Level?**
Pesticides and PCBs (EPA Method 8081A)								
Aldrin		1.40					0.14	
Chlordane		2.50					0.25	
DDT, DDE, DDD		1.00					0.10	
Dieldrin		8.00					0.80	
Endrin		0.20					0.02	
Heptachlor		4.70					0.47	
Kepone		21.00					2.10	
Lindane		4.00					0.40	
Methoxychlor		100.00					10.00	
Mirex		21.00					2.10	
Pentachlorophenol		17.00					1.70	
PCB*		50.00					5.00	
Toxaphene		5.00					0.50	
Miscellaneous (EPA Method 8280)								
Dioxin (2,3,7,8-TCDD)		0.01					0.001	
Lead compounds, organic		13.00				--	--	
Chlorophenoxy Acid Herbicides (EPA Method 8151A)								
2,4,5-Trichlorophenoxypropionic acid (2,4,5-TP) (Silvex)		10.00					1.00	
2,4-Dichlorphenoxyacetic acid		100.00					10.00	

If the result is ND (Non-detectable), enter the actual detection limit as the result and use blue color for the font.

***Under Order No. R8-2016-0052 soils containing less than 50 mg/kg of PCB is permitted for disposal of in lined units of landfills. See PCB on the MCLs list**

RCRA TCLP for Toxicity Characteristic

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Only fill in the light pink highlighted cells

EPA Waste Number	Analytes	Result (mg/kg)	Result / 20	Is the "Result/20" result greater than TCLP limit? If yes, TCLP analysis is required.	TCLP Result (mg/l)	RCRA TCLP Regulatory Limit (mg/l)	Is TCLP Result Below TTLC Regulatory Limit?
VOC, Herbicides, Semi VOC, please run the EPA Methods as specified below for each category, the results will be reported under "Result (mg/kg)" and if the "Result / 20" is greater than TCLP, then run TCLP for these analytes.							
Volatile Organics (EPA Method 8260B)							
D018	Benzene					0.5	
D019	Carbon tetrachloride					0.5	
D021	Chlorobenzene					100	
D022	Chloroform					6	
D027	1,4-Dichlorobenzene					7.5	
D028	1,2-Dichloroethane					0.5	
D029	1,1-Dichloroethylene					0.7	
D035	Methyl ethyl ketone					200	
D039	Tetrachloroethylene					0.7	
D040	Trichloroethylene					0.5	
D043	Vinyl chloride					0.2	
Chlorophenoxy Acid Herbicides (EPA Method 8151A)							
D016	2,4-D (2,4-Dichlorophenoxyacetic acid)					10	
D017	2,4,5-TP (Silvex)					1	
Semi-Volatile Organics with no PCB, EPA Method 8270C)							
D023	o-Cresol					200	
D024	m-Cresol					200	
D025	p-Cresol					200	
D026	Cresol					200	
D030	2,4-Dinitrotoluene					0.13	
D032	Hexachlorobenzene					0.13	
D033	Hexachlorobutadiene					0.5	
D034	Hexachloroethane					3	
D036	Nitrobenzene					2	
D038	Pyridine					5	
D041	2,4,5-Trichlorophenol					400	
D042	2,4,6-Trichlorophenol					2	
EPA Waste Number	**Analytes**	**TTLC Result (mg/kg)**	**TTLC Result / 20**	**Is the "TTLC/20" result greater than TCLP limit? If yes, TCLP analysis is required.**	**TCLP Result (mg/l)**	**RCRA TCLP Regulatory Limit (mg/l)**	**Is TCLP Result Below TTLC Regulatory Limit?**
Inorganic Parameters/Metals and Pesticides - TTLC results are linked to the above TTLC values above TTLC tables. If TTLC result (mg/kg) divided by 20 greater than TCLP, then run TCLP.							
D004	Arsenic					5	
D005	Barium					100	
D006	Cadmium					1	
D007	Chromium					5	
D008	Lead					5	
D009	Mercury					0.2	
D010	Selenium					1	
D011	Silver					5	
D020	Chlordane					0.03	
D012	Endrin					0.02	
D031	Heptachlor (and its epoxide)					0.008	
D013	Lindane					0.4	
D014	Methoxychlor					10	
D037	Pentachlorophenol					100	
D015	Toxaphene					0.5	

If the result is ND (Non-detectable), enter the actual detection limit as the result and use blue color for the font.

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Analytes	CAS No.	Results (mg/kg)	RSL Limits Residential Site Soil (mg/kg)	Is the result below RSL Residential Site limit? If Yes, acceptable for unrestricted onsite use of soil.	RSL Limits Industrial Site Soil (mg/kg)	Is the result below RSL Industrial Site limit? If Yes, acceptable for unlined and lined units.
Acephate	30560-19-1		7.6E+01		9.8E+02	
Acetaldehyde	75-07-0		1.1E+01		4.9E+01	
Acetochlor	34256-82-1		1.3E+03		1.6E+04	
Acetone	67-64-1		6.1E+04		6.7E+05	
Acetone Cyanohydrin	75-86-5		2.8E+06		1.2E+07	
Acetonitrile	75-05-8		8.1E+02		3.4E+03	
Acetophenone	98-86-2		7.8E+03		1.2E+05	
Acetylaminofluorene, 2-	53-96-3		1.4E-01		6.0E-01	
Acrolein	107-02-8		1.4E-01		6.0E-01	
Acrylamide	79-06-1		2.4E-01		4.6E+00	
Acrylic Acid	79-10-7		9.9E+01		4.2E+02	
Acrylonitrile	107-13-1		2.5E-01		1.1E+00	
Adiponitrile	111-69-3		8.5E+06		3.6E+07	
Alachlor	15972-60-8		9.7E+00		4.1E+01	
Aldicarb	116-06-3		6.3E+01		8.2E+02	
Aldicarb Sulfone	1646-88-4		6.3E+01		8.2E+02	
Aldrin	309-00-2		3.9E-02		1.8E-01	
Allyl Alcohol	107-18-6		3.5E+00		1.5E+01	
Allyl Chloride	107-05-1		7.2E-01		3.2E+00	
Aluminum	7429-90-5		7.7E+04		1.1E+06	
Aluminum Phosphide	20859-73-8		3.1E+01		4.7E+02	
Ametryn	834-12-8		5.7E+02		7.4E+03	
Aminobiphenyl, 4-	92-67-1		2.6E-02		1.1E-01	
Aminophenol, m-	591-27-5		5.1E+03		6.6E+04	
Aminophenol, o-	95-55-6		2.5E+02		3.3E+03	
Aminophenol, p-	123-30-8		1.3E+03		1.6E+04	
Amitraz	33089-61-1		1.6E+02		2.1E+03	
Ammonium Sulfamate	7773-06-0		1.6E+04		2.3E+05	
Amyl Alcohol, tert-	75-85-4		8.2E+01		3.4E+02	
Aniline	62-53-3		9.5E+01		4.0E+02	
Anthraquinone, 9,10-	84-65-1		1.4E+01		5.7E+01	
Antimony (metallic)	7440-36-0		3.1E+01		4.7E+02	
Antimony Pentoxide	1314-60-9		3.9E+01		5.8E+02	
Antimony Tetroxide	1332-81-6		3.1E+01		4.7E+02	
Antimony Trioxide	1309-64-4		2.8E+05		1.2E+06	
Arsenic, Inorganic	7440-38-2		6.8E-01		3.0E+00	
Arsine	7784-42-1		2.7E-01		4.1E+00	
Asulam	3337-71-1		2.3E+03		3.0E+04	
Atrazine	1912-24-9		2.4E+00		1.0E+01	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Analytes	CAS No.	Results (mg/kg)	RSL Limits Residential Site Soil (mg/kg)	Is the result below RSL Residential Site limit? If Yes, acceptable for unrestricted onsite use of soil.	RSL Limits Industrial Site Soil (mg/kg)	Is the result below RSL Industrial Site limit? If Yes, acceptable for unlined and lined units.
Auramine	492-80-8		6.2E-01		2.6E+00	
Avermectin B1	65195-55-3		2.5E+01		3.3E+02	
Azinphos-methyl	86-50-0		1.9E+02		2.5E+03	
Azobenzene	103-33-3		5.6E+00		2.6E+01	
Azodicarbonamide	123-77-3		8.6E+03		4.0E+04	
Barium	7440-39-3		1.5E+04		2.2E+05	
Benfluralin	1861-40-1		3.9E+02		5.8E+03	
Benomyl	17804-35-2		3.2E+03		4.1E+04	
Bensulfuron-methyl	83055-99-6		1.3E+04		1.6E+05	
Bentazon	25057-89-0		1.9E+03		2.5E+04	
Benzaldehyde	100-52-7		1.7E+02		8.2E+02	
Benzene	71-43-2		1.2E+00		5.1E+00	
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1		5.4E+00		2.3E+01	
Benzenethiol	108-98-5		7.8E+01		1.2E+03	
Benzidine	92-87-5		5.3E-04		1.0E-02	
Benzoic Acid	65-85-0		2.5E+05		3.3E+06	
Benzotrichloride	98-07-7		5.3E-02		2.5E-01	
Benzyl Alcohol	100-51-6		6.3E+03		8.2E+04	
Benzyl Chloride	100-44-7		1.1E+00		4.8E+00	
Beryllium and compounds	7440-41-7		1.6E+02		2.3E+03	
Bifenox	42576-02-3		5.7E+02		7.4E+03	
Biphenthrin	82657-04-3		9.5E+02		1.2E+04	
Biphenyl, 1,1'-	92-52-4		4.7E+01		2.0E+02	
Bis(2-chloro-1-methylethyl) ether	108-60-1		3.1E+03		4.7E+04	
Bis(2-chloroethoxy)methane	111-91-1		1.9E+02		2.5E+03	
Bis(2-chloroethyl)ether	111-44-4		2.3E-01		1.0E+00	
Bis(chloromethyl)ether	542-88-1		8.3E-05		3.6E-04	
Bisphenol A	80-05-7		3.2E+03		4.1E+04	
Boron And Borates Only	7440-42-8		1.6E+04		2.3E+05	
Boron Trichloride	10294-34-5		1.6E+05		2.3E+06	
Boron Trifluoride	7637-07-2		3.1E+03		4.7E+04	
Bromate	15541-45-4		9.9E-01		4.7E+00	
Bromo-2-chloroethane, 1-	107-04-0		2.6E-02		1.1E-01	
Bromo-3-fluorobenzene, 1-	1073-06-9		2.3E+01		3.5E+02	
Bromo-4-fluorobenzene, 1-	460-00-4		2.3E+01		3.5E+02	
Bromobenzene	108-86-1		2.9E+02		1.8E+03	
Bromochloromethane	74-97-5		1.5E+02		6.3E+02	
Bromodichloromethane	75-27-4		2.9E-01		1.3E+00	
Bromoform	75-25-2		1.9E+01		8.6E+01	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Analytes	CAS No.	Results (mg/kg)	RSL Limits Residential Site Soil (mg/kg)	Is the result below RSL Residential Site limit? If Yes, acceptable for unrestricted onsite use of soil.	RSL Limits Industrial Site Soil (mg/kg)	Is the result below RSL Industrial Site limit? If Yes, acceptable for unlined and lined units.
Bromomethane	74-83-9		6.8E+00		3.0E+01	
Bromophos	2104-96-3		3.9E+02		5.8E+03	
Bromopropane, 1-	106-94-5		2.2E+02		9.4E+02	
Bromoxynil	1689-84-5		5.3E+00		2.2E+01	
Bromoxynil Octanoate	1689-99-2		6.7E+00		3.2E+01	
Butadiene, 1,3-	106-99-0		5.8E-02		2.6E-01	
Butanoic acid, 4-(2,4-dichlorophenoxy)-	94-82-6		1.9E+03		2.5E+04	
Butanol, N-	71-36-3		7.8E+03		1.2E+05	
Butyl alcohol, sec-	78-92-2		1.3E+05		1.5E+06	
Butylate	2008-41-5		3.9E+03		5.8E+04	
Butylated hydroxyanisole	25013-16-5		2.7E+03		1.1E+04	
Butylated hydroxytoluene	128-37-0		1.5E+02		6.4E+02	
Butylbenzene, n-	104-51-8		3.9E+03		5.8E+04	
Butylbenzene, sec-	135-98-8		7.8E+03		1.2E+05	
Butylbenzene, tert-	98-06-6		7.8E+03		1.2E+05	
Cacodylic Acid	75-60-5		1.3E+03		1.6E+04	
Cadmium (Diet)	7440-43-9		7.1E+01		9.8E+02	
Caprolactam	105-60-2		3.1E+04		4.0E+05	
Captafol	2425-06-1		3.6E+00		1.5E+01	
Captan	133-06-2		2.4E+02		1.0E+03	
Carbaryl	63-25-2		6.3E+03		8.2E+04	
Carbofuran	1563-66-2		3.2E+02		4.1E+03	
Carbon Disulfide	75-15-0		7.7E+02		3.5E+03	
Carbon Tetrachloride	56-23-5		6.5E-01		2.9E+00	
Carbonyl Sulfide	463-58-1		6.7E+01		2.8E+02	
Carbosulfan	55285-14-8		6.3E+02		8.2E+03	
Carboxin	5234-68-4		6.3E+03		8.2E+04	
Ceric oxide	1306-38-3		1.3E+06		5.4E+06	
Chloral Hydrate	302-17-0		7.8E+03		1.2E+05	
Chloramben	133-90-4		9.5E+02		1.2E+04	
Chloranil	118-75-2		1.3E+00		5.7E+00	
Chlordane	12789-03-6		1.7E+00		7.7E+00	
Chlordecone (Kepone)	143-50-0		5.4E-02		2.3E-01	
Chlorfenvinphos	470-90-6		4.4E+01		5.7E+02	
Chlorimuron, Ethyl-	90982-32-4		5.7E+03		7.4E+04	
Chlorine	7782-50-5		1.8E-01		7.8E-01	
Chlorine Dioxide	10049-04-4		2.3E+03		3.4E+04	
Chlorite (Sodium Salt)	7758-19-2		2.3E+03		3.5E+04	
Chloro-1,1-difluoroethane, 1-	75-68-3		5.4E+04		2.3E+05	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

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Chloro-1,3-butadiene, 2-	126-99-8		1.0E-02		4.4E-02	
Chloro-2-methylaniline HCl, 4-	3165-93-3		1.2E+00		5.0E+00	
Chloro-2-methylaniline, 4-	95-69-2		5.4E+00		2.3E+01	
Chloroacetaldehyde, 2-	107-20-0		2.6E+00		1.2E+01	
Chloroacetophenone, 2-	532-27-4		4.3E+04		1.8E+05	
Chloroaniline, p-	106-47-8		2.7E+00		1.1E+01	
Chlorobenzene	108-90-7		2.8E+02		1.3E+03	
Chlorobenzene sulfonic acid, p-	98-66-8		6.3E+03		8.2E+04	
Chlorobenzilate	510-15-6		4.9E+00		2.1E+01	
Chlorobenzoic Acid, p-	74-11-3		1.9E+03		2.5E+04	
Chlorobenzotrifluoride, 4-	98-56-6		2.1E+02		2.5E+03	
Chlorobutane, 1-	109-69-3		3.1E+03		4.7E+04	
Chlorodifluoromethane	75-45-6		4.9E+04		2.1E+05	
Chloroethanol, 2-	107-07-3		1.6E+03		2.3E+04	
Chloroform	67-66-3		3.2E-01		1.4E+00	
Chloromethane	74-87-3		1.1E+02		4.6E+02	
Chloromethyl Methyl Ether	107-30-2		2.0E-02		8.9E-02	
Chloronitrobenzene, o-	88-73-3		1.8E+00		7.7E+00	
Chloronitrobenzene, p-	100-00-5		9.0E+00		3.8E+01	
Chlorophenol, 2-	95-57-8		3.9E+02		5.8E+03	
Chloropicrin	76-06-2		2.0E+00		8.2E+00	
Chlorothalonil	1897-45-6		1.8E+02		7.4E+02	
Chlorotoluene, o-	95-49-8		1.6E+03		2.3E+04	
Chlorotoluene, p-	106-43-4		1.6E+03		2.3E+04	
Chlorozotocin	54749-90-5		2.3E-03		9.6E-03	
Chlorpropham	101-21-3		3.2E+03		4.1E+04	
Chlorpyrifos	2921-88-2		6.3E+01		8.2E+02	
Chlorpyrifos Methyl	5598-13-0		6.3E+02		8.2E+03	
Chlorsulfuron	64902-72-3		3.2E+03		4.1E+04	
Chlorthal-dimethyl	1861-32-1		6.3E+02		8.2E+03	
Chlorthiophos	60238-56-4		5.1E+01		6.6E+02	
Chromium(III), Insoluble Salts	16065-83-1		1.2E+05		1.8E+06	
Chromium(VI)	18540-29-9		3.0E-01		6.3E+00	
Clofentezine	74115-24-5		8.2E+02		1.1E+04	
Cobalt	7440-48-4		2.3E+01		3.5E+02	
Copper	7440-50-8		3.1E+03		4.7E+04	
Cresol, m-	108-39-4		3.2E+03		4.1E+04	
Cresol, o-	95-48-7		3.2E+03		4.1E+04	
Cresol, p-	106-44-5		6.3E+03		8.2E+04	

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Cresol, p-chloro-m-	59-50-7		6.3E+03		8.2E+04	
Cresols	1319-77-3		6.3E+03		8.2E+04	
Crotonaldehyde, trans-	123-73-9		3.7E-01		1.7E+00	
Cumene	98-82-8		1.9E+03		9.9E+03	
Cupferron	135-20-6		2.5E+00		1.0E+01	
Cyanazine	21725-46-2		6.5E-01		2.7E+00	
Cyanides	n/a		n/a		n/a	
~Calcium Cyanide	592-01-8		7.8E+01		1.2E+03	
~Copper Cyanide	544-92-3		3.9E+02		5.8E+03	
~Cyanide (CN-)	57-12-5		2.3E+01		1.5E+02	
~Cyanogen	460-19-5		7.8E+01		1.2E+03	
~Cyanogen Bromide	506-68-3		7.0E+03		1.1E+05	
~Cyanogen Chloride	506-77-4		3.9E+03		5.8E+04	
~Hydrogen Cyanide	74-90-8		2.3E+01		1.5E+02	
~Potassium Cyanide	151-50-8		1.6E+02		2.3E+03	
~Potassium Silver Cyanide	506-61-6		3.9E+02		5.8E+03	
~Silver Cyanide	506-64-9		7.8E+03		1.2E+05	
~Sodium Cyanide	143-33-9		7.8E+01		1.2E+03	
~Thiocyanates	E1790664		1.6E+01		2.3E+02	
~Thiocyanic Acid	463-56-9		1.6E+01		2.3E+02	
~Zinc Cyanide	557-21-1		3.9E+03		5.8E+04	
Cyclohexane	110-82-7		6.5E+03		2.7E+04	
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3		2.7E+01		1.1E+02	
Cyclohexanone	108-94-1		2.8E+04		1.3E+05	
Cyclohexene	110-83-8		3.1E+02		3.1E+03	
Cyclohexylamine	108-91-8		1.6E+04		2.3E+05	
Cyfluthrin	68359-37-5		1.6E+03		2.1E+04	
Cyhalothrin	68085-85-8		6.3E+01		8.2E+02	
Cyromazine	66215-27-8		3.2E+04		4.1E+05	
DDD, p,p`- (DDD)	72-54-8		1.9E+00		9.6E+00	
DDE, p,p'-	72-55-9		2.0E+00		9.3E+00	
DDT	50-29-3		1.9E+00		8.5E+00	
Dalapon	75-99-0		1.9E+03		2.5E+04	
Daminozide	1596-84-5		3.0E+01		1.3E+02	
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5		4.4E+02		3.3E+03	
Demeton	8065-48-3		2.5E+00		3.3E+01	
Di(2-ethylhexyl)adipate	103-23-1		4.5E+02		1.9E+03	
Diallate	2303-16-4		8.9E+00		3.8E+01	

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Diazinon	333-41-5		4.4E+01		5.7E+02	
Dibenzothiophene	132-65-0		7.8E+02		1.2E+04	
Dibromo-3-chloropropane, 1,2-	96-12-8		5.3E-03		6.4E-02	
Dibromobenzene, 1,3-	108-36-1		3.1E+01		4.7E+02	
Dibromobenzene, 1,4-	106-37-6		7.8E+02		1.2E+04	
Dibromochloromethane	124-48-1		8.3E+00		3.9E+01	
Dibromoethane, 1,2-	106-93-4		3.6E-02		1.6E-01	
Dibromomethane (Methylene Bromide)	74-95-3		2.4E+01		9.9E+01	
Dibutyltin Compounds	E1790660		1.9E+01		2.5E+02	
Dicamba	1918-00-9		1.9E+03		2.5E+04	
Dichloro-2-butene, 1,4-	764-41-0		2.1E-03		9.4E-03	
Dichloro-2-butene, cis-1,4-	1476-11-5		7.4E-03		3.2E-02	
Dichloro-2-butene, trans-1,4-	110-57-6		7.4E-03		3.2E-02	
Dichloroacetic Acid	79-43-6		1.1E+01		4.6E+01	
Dichlorobenzene, 1,2-	95-50-1		1.8E+03		9.3E+03	
Dichlorobenzene, 1,4-	106-46-7		2.6E+00		1.1E+01	
Dichlorobenzidine, 3,3'-	91-94-1		1.2E+00		5.1E+00	
Dichlorobenzophenone, 4,4'-	90-98-2		5.7E+02		7.4E+03	
Dichlorodifluoromethane	75-71-8		8.7E+01		3.7E+02	
Dichloroethane, 1,1-	75-34-3		3.6E+00		1.6E+01	
Dichloroethane, 1,2-	107-06-2		4.6E-01		2.0E+00	
Dichloroethylene, 1,1-	75-35-4		2.3E+02		1.0E+03	
Dichloroethylene, 1,2-cis-	156-59-2		1.6E+02		2.3E+03	
Dichloroethylene, 1,2-trans-	156-60-5		1.6E+03		2.3E+04	
Dichlorophenol, 2,4-	120-83-2		1.9E+02		2.5E+03	
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7		7.0E+02		9.6E+03	
Dichloropropane, 1,2-	78-87-5		2.5E+00		1.1E+01	
Dichloropropane, 1,3-	142-28-9		1.6E+03		2.3E+04	
Dichloropropanol, 2,3-	616-23-9		1.9E+02		2.5E+03	
Dichloropropene, 1,3-	542-75-6		1.8E+00		8.2E+00	
Dichlorvos	62-73-7		1.9E+00		7.9E+00	
Dicrotophos	141-66-2		1.9E+00		2.5E+01	
Dicyclopentadiene	77-73-6		1.3E+00		5.4E+00	
Dieldrin	60-57-1		3.4E-02		1.4E-01	
Diethanolamine	111-42-2		1.3E+02		1.6E+03	
Diethylene Glycol Monobutyl Ether	112-34-5		1.9E+03		2.4E+04	
Diethylene Glycol Monoethyl Ether	111-90-0		3.8E+03		4.8E+04	
Diethylformamide	617-84-5		7.8E+01		1.2E+03	
Diethylstilbestrol	56-53-1		1.6E-03		6.6E-03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Difenzoquat	43222-48-6		5.2E+03		6.8E+04	
Diflubenzuron	35367-38-5		1.3E+03		1.6E+04	
Difluoroethane, 1,1-	75-37-6		4.8E+04		2.0E+05	
Difluoropropane, 2,2-	420-45-1		2.4E+04		1.0E+05	
Dihydrosafrole	94-58-6		9.9E+00		4.5E+01	
Diisopropyl Ether	108-20-3		2.2E+03		9.4E+03	
Diisopropyl Methylphosphonate	1445-75-6		6.3E+03		9.3E+04	
Dimethipin	55290-64-7		1.4E+03		1.8E+04	
Dimethoate	60-51-5		1.4E+02		1.8E+03	
Dimethoxybenzidine, 3,3'-	119-90-4		3.4E-01		1.4E+00	
Dimethyl methylphosphonate	756-79-6		3.2E+02		1.4E+03	
Dimethylamino azobenzene [p-]	60-11-7		1.2E-01		5.0E-01	
Dimethylaniline HCl, 2,4-	21436-96-4		9.4E-01		4.0E+00	
Dimethylaniline, 2,4-	95-68-1		2.7E+00		1.1E+01	
Dimethylaniline, N,N-	121-69-7		2.6E+01		1.2E+02	
Dimethylbenzidine, 3,3'-	119-93-7		4.9E-02		2.1E-01	
Dimethylformamide	68-12-2		2.6E+03		1.5E+04	
Dimethylhydrazine, 1,1-	57-14-7		5.7E-02		2.4E-01	
Dimethylhydrazine, 1,2-	540-73-8		8.8E-04		4.1E-03	
Dimethylphenol, 2,4-	105-67-9		1.3E+03		1.6E+04	
Dimethylphenol, 2,6-	576-26-1		3.8E+01		4.9E+02	
Dimethylphenol, 3,4-	95-65-8		6.3E+01		8.2E+02	
Dimethylvinylchloride	513-37-1		1.1E+00		4.8E+00	
Dinitro-o-cresol, 4,6-	534-52-1		5.1E+00		6.6E+01	
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5		1.3E+02		1.6E+03	
Dinitrobenzene, 1,2-	528-29-0		6.3E+00		8.2E+01	
Dinitrobenzene, 1,3-	99-65-0		6.3E+00		8.2E+01	
Dinitrobenzene, 1,4-	100-25-4		6.3E+00		8.2E+01	
Dinitrophenol, 2,4-	51-28-5		1.3E+02		1.6E+03	
Dinitrotoluene Mixture, 2,4/2,6-	E1615210		8.0E-01		3.4E+00	
Dinitrotoluene, 2,4-	121-14-2		1.7E+00		7.4E+00	
Dinitrotoluene, 2,6-	606-20-2		3.6E-01		1.5E+00	
Dinitrotoluene, 2-Amino-4,6-	35572-78-2		1.5E+02		2.3E+03	
Dinitrotoluene, 4-Amino-2,6-	19406-51-0		1.5E+02		2.3E+03	
Dinitrotoluene, Technical grade	25321-14-6		1.2E+00		5.1E+00	
Dinoseb	88-85-7		6.3E+01		8.2E+02	
Dioxane, 1,4-	123-91-1		5.3E+00		2.4E+01	
Dioxins	n/a		n/a		n/a	
~Hexachlorodibenzo-p-dioxin, Mixture	n/a		1.0E-04		4.7E-04	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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~TCDD, 2,3,7,8-	1746-01-6		4.8E-06		2.2E-05	
Diphenamid	957-51-7		1.9E+03		2.5E+04	
Diphenyl Ether	101-84-8		3.4E+01		1.4E+02	
Diphenyl Sulfone	127-63-9		5.1E+01		6.6E+02	
Diphenylamine	122-39-4		6.3E+03		8.2E+04	
Diphenylhydrazine, 1,2-	122-66-7		6.8E-01		2.9E+00	
Diquat	85-00-7		1.4E+02		1.8E+03	
Direct Black 38	1937-37-7		7.6E-02		3.2E-01	
Direct Blue 6	2602-46-2		7.3E-02		3.1E-01	
Direct Brown 95	16071-86-6		8.1E-02		3.4E-01	
Disulfoton	298-04-4		2.5E+00		3.3E+01	
Dithiane, 1,4-	505-29-3		7.8E+02		1.2E+04	
Diuron	330-54-1		1.3E+02		1.6E+03	
Dodine	2439-10-3		1.3E+03		1.6E+04	
EPTC	759-94-4		3.9E+03		5.8E+04	
Endosulfan	115-29-7		4.7E+02		7.0E+03	
Endothall	145-73-3		1.3E+03		1.6E+04	
Endrin	72-20-8		1.9E+01		2.5E+02	
Epichlorohydrin	106-89-8		1.9E+01		8.2E+01	
Epoxybutane, 1,2-	106-88-7		1.6E+02		6.7E+02	
Ethanol, 2-(2-methoxyethoxy)-	111-77-3		2.5E+03		3.3E+04	
Ethephon	16672-87-0		3.2E+02		4.1E+03	
Ethion	563-12-2		3.2E+01		4.1E+02	
Ethoxyethanol Acetate, 2-	111-15-9		2.6E+03		1.4E+04	
Ethoxyethanol, 2-	110-80-5		5.2E+03		4.7E+04	
Ethyl Acetate	141-78-6		6.2E+02		2.6E+03	
Ethyl Acrylate	140-88-5		4.7E+01		2.1E+02	
Ethyl Chloride (Chloroethane)	75-00-3		1.4E+04		5.7E+04	
Ethyl Ether	60-29-7		1.6E+04		2.3E+05	
Ethyl Methacrylate	97-63-2		1.8E+03		7.6E+03	
Ethyl-p-nitrophenyl Phosphonate	2104-64-5		6.3E-01		8.2E+00	
Ethylbenzene	100-41-4		5.8E+00		2.5E+01	
Ethylene Cyanohydrin	109-78-4		4.4E+03		5.7E+04	
Ethylene Diamine	107-15-3		7.0E+03		1.1E+05	
Ethylene Glycol	107-21-1		1.3E+05		1.6E+06	
Ethylene Glycol Monobutyl Ether	111-76-2		6.3E+03		8.2E+04	
Ethylene Oxide	75-21-8		2.0E-03		2.5E-02	
Ethylene Thiourea	96-45-7		5.1E+00		5.1E+01	
Ethyleneimine	151-56-4		2.7E-03		1.2E-02	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Ethylphthalyl Ethyl Glycolate	84-72-0		1.9E+05		2.5E+06	
Fenamiphos	22224-92-6		1.6E+01		2.1E+02	
Fenpropathrin	39515-41-8		1.6E+03		2.1E+04	
Fenvalerate	51630-58-1		1.6E+03		2.1E+04	
Fluometuron	2164-17-2		8.2E+02		1.1E+04	
Fluoride	16984-48-8		3.1E+03		4.7E+04	
Fluorine (Soluble Fluoride)	7782-41-4		4.7E+03		7.0E+04	
Fluridone	59756-60-4		5.1E+03		6.6E+04	
Flurprimidol	56425-91-3		2.5E+03		3.3E+04	
Flusilazole	85509-19-9		1.3E+02		1.6E+03	
Flutolanil	66332-96-5		3.2E+04		4.1E+05	
Fluvalinate	69409-94-5		6.3E+02		8.2E+03	
Folpet	133-07-3		5.7E+03		7.4E+04	
Fomesafen	72178-02-0		1.6E+02		2.1E+03	
Fonofos	944-22-9		1.3E+02		1.6E+03	
Formaldehyde	50-00-0		1.7E+01		7.3E+01	
Formic Acid	64-18-6		2.9E+01		1.2E+02	
Fosetyl-AL	39148-24-8		1.6E+05		2.1E+06	
Furans	n/a		n/a		n/a	
~Dibenzofuran	132-64-9		7.3E+01		1.0E+03	
~Furan	110-00-9		7.3E+01		1.0E+03	
~Tetrahydrofuran	109-99-9		1.8E+04		9.4E+04	
Furazolidone	67-45-8		1.4E-01		6.0E-01	
Furfural	98-01-1		2.1E+02		2.6E+03	
Furium	531-82-8		3.6E-01		1.5E+00	
Furmecyclox	60568-05-0		1.8E+01		7.7E+01	
Glufosinate, Ammonium	77182-82-2		3.8E+02		4.9E+03	
Glutaraldehyde	111-30-8		6.0E+03		7.0E+04	
Glycidyl	765-34-4		2.3E+01		2.1E+02	
Glyphosate	1071-83-6		6.3E+03		8.2E+04	
Guanidine	113-00-8		7.8E+02		1.2E+04	
Guanidine Chloride	50-01-1		1.3E+03		1.6E+04	
Guanidine Nitrate	506-93-4		1.9E+03		2.5E+04	
Haloxyfop, Methyl	69806-40-2		3.2E+00		4.1E+01	
Heptachlor	76-44-8		1.3E-01		6.3E-01	
Heptachlor Epoxide	1024-57-3		7.0E-02		3.3E-01	
Heptanal, n-	111-71-7		2.4E+01		1.0E+02	
Heptane, N-	142-82-5		2.2E+01		2.9E+02	
Hexabromobenzene	87-82-1		1.6E+02		2.3E+03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

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Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2		1.3E+01		1.6E+02	
Hexachlorobenzene	118-74-1		2.1E-01		9.6E-01	
Hexachlorobutadiene	87-68-3		1.2E+00		5.3E+00	
Hexachlorocyclohexane, Alpha-	319-84-6		8.6E-02		3.6E-01	
Hexachlorocyclohexane, Beta-	319-85-7		3.0E-01		1.3E+00	
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9		5.7E-01		2.5E+00	
Hexachlorocyclohexane, Technical	608-73-1		3.0E-01		1.3E+00	
Hexachlorocyclopentadiene	77-47-4		1.8E+00		7.5E+00	
Hexachloroethane	67-72-1		1.8E+00		8.0E+00	
Hexachlorophene	70-30-4		1.9E+01		2.5E+02	
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4		8.3E+00		3.8E+01	
Hexamethylene Diisocyanate, 1,6-	822-06-0		3.1E+00		1.3E+01	
Hexamethylphosphoramide	680-31-9		2.5E+01		3.3E+02	
Hexane, N-	110-54-3		6.1E+02		2.5E+03	
Hexanedioic Acid	124-04-9		1.3E+05		1.6E+06	
Hexanone, 2-	591-78-6		2.0E+02		1.3E+03	
Hexazinone	51235-04-2		2.1E+03		2.7E+04	
Hexythiazox	78587-05-0		1.6E+03		2.1E+04	
Hydramethylnon	67485-29-4		1.1E+03		1.4E+04	
Hydrazine	302-01-2		3.2E-02		1.4E-01	
Hydrazine Sulfate	10034-93-2		2.3E-01		1.1E+00	
Hydrogen Chloride	7647-01-0		2.8E+07		1.2E+08	
Hydrogen Fluoride	7664-39-3		3.1E+03		4.7E+04	
Hydrogen Sulfide	7783-06-4		2.8E+06		1.2E+07	
Hydroquinone	123-31-9		9.0E+00		3.8E+01	
Imazalil	35554-44-0		8.9E+00		3.8E+01	
Imazaquin	81335-37-7		1.6E+04		2.1E+05	
Imazethapyr	81335-77-5		1.6E+05		2.1E+06	
Iodine	7553-56-2		7.8E+02		1.2E+04	
Iprodione	36734-19-7		2.5E+03		3.3E+04	
Iron	7439-89-6		5.5E+04		8.2E+05	
Isobutyl Alcohol	78-83-1		2.3E+04		3.5E+05	
Isophorone	78-59-1		5.7E+02		2.4E+03	
Isopropalin	33820-53-0		1.2E+03		1.8E+04	
Isopropanol	67-63-0		5.6E+03		2.4E+04	
Isopropyl Methyl Phosphonic Acid	1832-54-8		6.3E+03		8.2E+04	
Isoxaben	82558-50-7		3.2E+03		4.1E+04	
JP-7	E1737665		4.3E+08		1.8E+09	
Lactofen	77501-63-4		5.1E+02		6.6E+03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

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Lactonitrile	78-97-7		1.3E+01		1.6E+02	
Lanthanum	7439-91-0		3.9E+00		5.8E+01	
Lanthanum Acetate Hydrate	100587-90-4		1.3E+00		1.7E+01	
Lanthanum Chloride Heptahydrate	10025-84-0		1.5E+00		2.2E+01	
Lanthanum Chloride, Anhydrous	10099-58-8		2.2E+00		3.3E+01	
Lanthanum Nitrate Hexahydrate	10277-43-7		1.3E+00		1.9E+01	
Lead Compounds	n/a		n/a		n/a	
~Lead Phosphate	7446-27-7		8.2E+01		3.8E+02	
~Lead acetate	301-04-2		6.4E+01		2.7E+02	
~Lead and Compounds	7439-92-1		4.0E+02		8.0E+02	
~Lead subacetate	1335-32-6		6.4E+01		2.7E+02	
~Tetraethyl Lead	78-00-2		7.8E-03		1.2E-01	
Lewisite	541-25-3		3.9E-01		5.8E+00	
Linuron	330-55-2		4.9E+02		6.3E+03	
Lithium	7439-93-2		1.6E+02		2.3E+03	
MCPA	94-74-6		3.2E+01		4.1E+02	
MCPB	94-81-5		2.8E+02		3.6E+03	
MCPP	93-65-2		6.3E+01		8.2E+02	
Malathion	121-75-5		1.3E+03		1.6E+04	
Maleic Anhydride	108-31-6		6.3E+03		8.0E+04	
Maleic Hydrazide	123-33-1		3.2E+04		4.1E+05	
Malononitrile	109-77-3		6.3E+00		8.2E+01	
Mancozeb	8018-01-7		1.9E+03		2.5E+04	
Maneb	12427-38-2		3.2E+02		4.1E+03	
Manganese (Non-diet)	7439-96-5		1.8E+03		2.6E+04	
Mephosfolan	950-10-7		5.7E+00		7.4E+01	
Mepiquat Chloride	24307-26-4		1.9E+03		2.5E+04	
Mercaptobenzothiazole, 2-	149-30-4		4.9E+01		2.1E+02	
Mercury Compounds						
~Mercuric Chloride (and other Mercury salts)	7487-94-7		2.3E+01		3.5E+02	
~Mercury (elemental)	7439-97-6		1.1E+01		4.6E+01	
~Methyl Mercury	22967-92-6		7.8E+00		1.2E+02	
~Phenylmercuric Acetate	62-38-4		5.1E+00		6.6E+01	
Merphos	150-50-5		2.3E+00		3.5E+01	
Merphos Oxide	78-48-8		6.3E+00		8.2E+01	
Metalaxyl	57837-19-1		3.8E+03		4.9E+04	
Methacrylonitrile	126-98-7		7.5E+00		1.0E+02	
Methamidophos	10265-92-6		3.2E+00		4.1E+01	
Methanol	67-56-1		1.2E+05		1.2E+06	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Methidathion	950-37-8		9.5E+01		1.2E+03	
Methomyl	16752-77-5		1.6E+03		2.1E+04	
Methoxy-5-nitroaniline, 2-	99-59-2		1.1E+01		4.7E+01	
Methoxychlor	72-43-5		3.2E+02		4.1E+03	
Methoxyethanol Acetate, 2-	110-49-6		1.1E+02		5.1E+02	
Methoxyethanol, 2-	109-86-4		3.3E+02		3.5E+03	
Methyl Acetate	79-20-9		7.8E+04		1.2E+06	
Methyl Acrylate	96-33-3		1.5E+02		6.1E+02	
Methyl Ethyl Ketone (2-Butanone)	78-93-3		2.7E+04		1.9E+05	
Methyl Hydrazine	60-34-4		1.4E-01		6.2E-01	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1		3.3E+04		1.4E+05	
Methyl Isocyanate	624-83-9		4.6E+00		1.9E+01	
Methyl Methacrylate	80-62-6		4.4E+03		1.9E+04	
Methyl Parathion	298-00-0		1.6E+01		2.1E+02	
Methyl Phosphonic Acid	993-13-5		3.8E+03		4.9E+04	
Methyl Styrene (Mixed Isomers)	25013-15-4		3.2E+02		2.6E+03	
Methyl methanesulfonate	66-27-3		5.5E+00		2.3E+01	
Methyl tert-Butyl Ether (MTBE)	1634-04-4		4.7E+01		2.1E+02	
Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2		1.9E+01		2.5E+02	
Methyl-2-Pentanol, 4-	108-11-2		5.4E+04		2.3E+05	
Methyl-5-Nitroaniline, 2-	99-55-8		6.0E+01		2.6E+02	
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7		6.5E-02		2.8E-01	
Methylaniline Hydrochloride, 2-	636-21-5		4.2E+00		1.8E+01	
Methylarsonic acid	124-58-3		6.3E+02		8.2E+03	
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7		1.3E+01		1.6E+02	
Methylbenzene-1,4-diamine sulfate, 2-	615-50-9		5.4E+00		2.3E+01	
Methylcholanthrene, 3-	56-49-5		5.5E-03		1.0E-01	
Methylene Chloride	75-09-2		5.7E+01		1.0E+03	
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4		1.2E+00		2.3E+01	
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1		1.2E+01		5.0E+01	
Methylenebisbenzenamine, 4,4'-	101-77-9		3.4E-01		1.4E+00	
Methylenediphenyl Diisocyanate	101-68-8		8.5E+05		3.6E+06	
Methylstyrene, Alpha-	98-83-9		5.5E+03		8.2E+04	
Metolachlor	51218-45-2		9.5E+03		1.2E+05	
Metribuzin	21087-64-9		1.6E+03		2.1E+04	
Metsulfuron-methyl	74223-64-6		1.6E+04		2.1E+05	
Mineral oils	8012-95-1		2.3E+05		3.5E+06	
Mirex	2385-85-5		3.6E-02		1.7E-01	
Molinate	2212-67-1		1.3E+02		1.6E+03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Molybdenum	7439-98-7		3.9E+02		5.8E+03	
Monochloramine	10599-90-3		7.8E+03		1.2E+05	
Monomethylaniline	100-61-8		1.3E+02		1.6E+03	
Myclobutanil	88671-89-0		1.6E+03		2.1E+04	
N,N'-Diphenyl-1,4-benzenediamine	74-31-7		1.9E+01		2.5E+02	
Naled	300-76-5		1.6E+02		2.3E+03	
Naphtha, High Flash Aromatic (HFAN)	64742-95-6		2.3E+03		3.5E+04	
Naphthylamine, 2-	91-59-8		3.0E-01		1.3E+00	
Napropamide	15299-99-7		7.6E+03		9.8E+04	
Nickel Acetate	373-02-4		6.7E+02		8.1E+03	
Nickel Carbonate	3333-67-3		6.7E+02		8.1E+03	
Nickel Carbonyl	13463-39-3		8.2E+02		1.1E+04	
Nickel Hydroxide	12054-48-7		8.2E+02		1.1E+04	
Nickel Oxide	1313-99-1		8.4E+02		1.2E+04	
Nickel Refinery Dust	E715532		8.2E+02		1.1E+04	
Nickel Soluble Salts	7440-02-0		1.5E+03		2.2E+04	
Nickel Subsulfide	12035-72-2		4.1E-01		1.9E+00	
Nickelocene	1271-28-9		6.7E+02		8.1E+03	
Nitrate	14797-55-8		1.3E+05		1.9E+06	
Nitrite	14797-65-0		7.8E+03		1.2E+05	
Nitroaniline, 2-	88-74-4		6.3E+02		8.0E+03	
Nitroaniline, 4-	100-01-6		2.7E+01		1.1E+02	
Nitrobenzene	98-95-3		5.1E+00		2.2E+01	
Nitrocellulose	9004-70-0		1.9E+08		2.5E+09	
Nitrofurantoin	67-20-9		4.4E+03		5.7E+04	
Nitrofurazone	59-87-0		4.2E-01		1.8E+00	
Nitroglycerin	55-63-0		6.3E+00		8.2E+01	
Nitroguanidine	556-88-7		6.3E+03		8.2E+04	
Nitromethane	75-52-5		5.4E+00		2.4E+01	
Nitropropane, 2-	79-46-9		1.4E-02		6.0E-02	
Nitroso-N-ethylurea, N-	759-73-9		4.5E-03		8.5E-02	
Nitroso-N-methylurea, N-	684-93-5		1.0E-03		1.9E-02	
Nitroso-di-N-butylamine, N-	924-16-3		9.9E-02		4.6E-01	
Nitroso-di-N-propylamine, N-	621-64-7		7.8E-02		3.3E-01	
Nitrosodiethanolamine, N-	1116-54-7		1.9E-01		8.2E-01	
Nitrosodiethylamine, N-	55-18-5		8.1E-04		1.5E-02	
Nitrosodimethylamine, N-	62-75-9		2.0E-03		3.4E-02	
Nitrosodiphenylamine, N-	86-30-6		1.1E+02		4.7E+02	
Nitrosomethylethylamine, N-	10595-95-6		2.0E-02		9.1E-02	

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Nitrosomorpholine [N-]	59-89-2		8.1E-02		3.4E-01	
Nitrosopiperidine [N-]	100-75-4		5.8E-02		2.4E-01	
Nitrosopyrrolidine, N-	930-55-2		2.6E-01		1.1E+00	
Nitrotoluene, m-	99-08-1		6.3E+00		8.2E+01	
Nitrotoluene, o-	88-72-2		3.2E+00		1.5E+01	
Nitrotoluene, p-	99-99-0		3.4E+01		1.4E+02	
Nonane, n-	111-84-2		1.1E+01		7.2E+01	
Norflurazon	27314-13-2		9.5E+02		1.2E+04	
Octabromodiphenyl Ether	32536-52-0		1.9E+02		2.5E+03	
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0		3.9E+03		5.7E+04	
Octamethylpyrophosphoramide	152-16-9		1.3E+02		1.6E+03	
Oryzalin	19044-88-3		7.0E+01		2.9E+02	
Oxadiazon	19666-30-9		3.2E+02		4.1E+03	
Oxamyl	23135-22-0		1.6E+03		2.1E+04	
Oxyfluorfen	42874-03-3		7.4E+00		3.1E+01	
Paclobutrazol	76738-62-0		8.2E+02		1.1E+04	
Paraquat Dichloride	1910-42-5		2.8E+02		3.7E+03	
Parathion	56-38-2		3.8E+02		4.9E+03	
Pebulate	1114-71-2		3.9E+03		5.8E+04	
Pendimethalin	40487-42-1		1.9E+04		2.5E+05	
Pentabromodiphenyl Ether	32534-81-9		1.6E+02		2.3E+03	
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9		6.3E+00		8.2E+01	
Pentachlorobenzene	608-93-5		6.3E+01		9.3E+02	
Pentachloroethane	76-01-7		7.7E+00		3.6E+01	
Pentachloronitrobenzene	82-68-8		2.7E+00		1.3E+01	
Pentachlorophenol	87-86-5		1.0E+00		4.0E+00	
Pentaerythritol tetranitrate (PETN)	78-11-5		1.3E+02		5.7E+02	
Pentane, n-	109-66-0		8.1E+02		3.4E+03	
Perchlorates	n/a		n/a		n/a	
~Ammonium Perchlorate	7790-98-9		5.5E+01		8.2E+02	
~Lithium Perchlorate	7791-03-9		5.5E+01		8.2E+02	
~Perchlorate and Perchlorate Salts	14797-73-0		5.5E+01		8.2E+02	
~Potassium Perchlorate	7778-74-7		5.5E+01		8.2E+02	
~Sodium Perchlorate	7601-89-0		5.5E+01		8.2E+02	
Perfluorobutane sulfonic acid (PFBS)	375-73-5		1.3E+03		1.6E+04	
Perfluorobutanesulfonate	45187-15-3		1.3E+03		1.6E+04	
Permethrin	52645-53-1		3.2E+03		4.1E+04	
Phenacetin	62-44-2		2.5E+02		1.0E+03	
Phenmedipham	13684-63-4		1.5E+04		2.0E+05	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

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Phenol	108-95-2		1.9E+04		2.5E+05	
Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1		2.5E+02		3.3E+03	
Phenothiazine	92-84-2		3.2E+01		4.1E+02	
Phenyl Isothiocyanate	103-72-0		1.6E+01		2.3E+02	
Phenylenediamine, m-	108-45-2		3.8E+02		4.9E+03	
Phenylenediamine, o-	95-54-5		4.5E+00		1.9E+01	
Phenylenediamine, p-	106-50-3		6.3E+01		8.2E+02	
Phenylphenol, 2-	90-43-7		2.8E+02		1.2E+03	
Phorate	298-02-2		1.3E+01		1.6E+02	
Phosgene	75-44-5		3.1E-01		1.3E+00	
Phosmet	732-11-6		1.3E+03		1.6E+04	
Phosphates, Inorganic	n/a		n/a		n/a	
~Aluminum metaphosphate	13776-88-0		3.8E+06		5.7E+07	
~Ammonium polyphosphate	68333-79-9		3.8E+06		5.7E+07	
~Calcium pyrophosphate	7790-76-3		3.8E+06		5.7E+07	
~Diammonium phosphate	7783-28-0		3.8E+06		5.7E+07	
~Dicalcium phosphate	7757-93-9		3.8E+06		5.7E+07	
~Dimagnesium phosphate	7782-75-4		3.8E+06		5.7E+07	
~Dipotassium phosphate	7758-11-4		3.8E+06		5.7E+07	
~Disodium phosphate	7558-79-4		3.8E+06		5.7E+07	
~Monoaluminum phosphate	13530-50-2		3.8E+06		5.7E+07	
~Monoammonium phosphate	7722-76-1		3.8E+06		5.7E+07	
~Monocalcium phosphate	7758-23-8		3.8E+06		5.7E+07	
~Monomagnesium phosphate	7757-86-0		3.8E+06		5.7E+07	
~Monopotassium phosphate	7778-77-0		3.8E+06		5.7E+07	
~Monosodium phosphate	7558-80-7		3.8E+06		5.7E+07	
~Polyphosphoric acid	8017-16-1		3.8E+06		5.7E+07	
~Potassium tripolyphosphate	13845-36-8		3.8E+06		5.7E+07	
~Sodium acid pyrophosphate	7758-16-9		3.8E+06		5.7E+07	
~Sodium aluminum phosphate (acidic)	7785-88-8		3.8E+06		5.7E+07	
~Sodium aluminum phosphate (anhydrous)	10279-59-1		3.8E+06		5.7E+07	
~Sodium aluminum phosphate (tetrahydrate)	10305-76-7		3.8E+06		5.7E+07	
~Sodium hexametaphosphate	10124-56-8		3.8E+06		5.7E+07	
~Sodium polyphosphate	68915-31-1		3.8E+06		5.7E+07	
~Sodium trimetaphosphate	7785-84-4		3.8E+06		5.7E+07	
~Sodium tripolyphosphate	7758-29-4		3.8E+06		5.7E+07	
~Tetrapotassium phosphate	7320-34-5		3.8E+06		5.7E+07	
~Tetrasodium pyrophosphate	7722-88-5		3.8E+06		5.7E+07	

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~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5		3.8E+06		5.7E+07	
~Tricalcium phosphate	7758-87-4		3.8E+06		5.7E+07	
~Trimagnesium phosphate	7757-87-1		3.8E+06		5.7E+07	
~Tripotassium phosphate	7778-53-2		3.8E+06		5.7E+07	
~Trisodium phosphate	7601-54-9		3.8E+06		5.7E+07	
Phosphine	7803-51-2		2.3E+01		3.5E+02	
Phosphoric Acid	7664-38-2		3.0E+06		2.9E+07	
Phosphorus, White	7723-14-0		1.6E+00		2.3E+01	
Phthalates			n/a		n/a	
~Bis(2-ethylhexyl)phthalate	117-81-7		3.9E+01		1.6E+02	
~Butyl Benzyl Phthalate	85-68-7		2.9E+02		1.2E+03	
~Butylphthalyl Butylglycolate	85-70-1		6.3E+04		8.2E+05	
~Dibutyl Phthalate	84-74-2		6.3E+03		8.2E+04	
~Diethyl Phthalate	84-66-2		5.1E+04		6.6E+05	
~Dimethylterephthalate	120-61-6		7.8E+03		1.2E+05	
~Octyl Phthalate, di-N-	117-84-0		6.3E+02		8.2E+03	
~Phthalic Acid, P-	100-21-0		6.3E+04		8.2E+05	
~Phthalic Anhydride	85-44-9		1.3E+05		1.6E+06	
Picloram	1918-02-1		4.4E+03		5.7E+04	
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3		6.3E+00		8.2E+01	
Picric Acid (2,4,6-Trinitrophenol)	88-89-1		5.7E+01		7.4E+02	
Pirimiphos, Methyl	29232-93-7		4.4E+00		5.7E+01	
Polybrominated Biphenyls	59536-65-1		1.8E-02		7.7E-02	
Polychlorinated Biphenyls (PCBs)	n/a		n/a		n/a	
~Aroclor 1016	12674-11-2		4.1E+00		2.7E+01	
~Aroclor 1221	11104-28-2		2.0E-01		8.3E-01	
~Aroclor 1232	11141-16-5		1.7E-01		7.2E-01	
~Aroclor 1242	53469-21-9		2.3E-01		9.5E-01	
~Aroclor 1248	12672-29-6		2.3E-01		9.5E-01	
~Aroclor 1254	11097-69-1		2.4E-01		9.7E-01	
~Aroclor 1260	11096-82-5		2.4E-01		9.9E-01	
~Aroclor 5460	11126-42-4		3.5E+01		4.4E+02	
~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9		1.3E-01		5.2E-01	
~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6		1.2E-01		5.1E-01	
~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7		1.2E-01		5.0E-01	
~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4		1.2E-01		5.0E-01	
~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6		1.2E-04		5.1E-04	
~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3		1.2E-01		4.9E-01	

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Analytes	CAS No.	Results (mg/kg)	RSL Limits Residential Site Soil (mg/kg)	Is the result below RSL Residential Site limit? If Yes, acceptable for unrestricted onsite use of soil.	RSL Limits Industrial Site Soil (mg/kg)	Is the result below RSL Industrial Site limit? If Yes, acceptable for unlined and lined units.
~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6		1.2E-01		4.9E-01	
~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4		1.2E-01		4.9E-01	
~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0		1.2E-01		5.0E-01	
~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8		3.6E-05		1.5E-04	
~Polychlorinated Biphenyls (high risk)	1336-36-3		2.3E-01		9.4E-01	
~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3		3.8E-02		1.6E-01	
~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4		1.2E-02		4.8E-02	
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9		8.5E+05		3.6E+06	
Polynuclear Aromatic Hydrocarbons (PAHs)	n/a		n/a		n/a	
~Acenaphthene	83-32-9		3.6E+03		4.5E+04	
~Anthracene	120-12-7		1.8E+04		2.3E+05	
~Benz[a]anthracene	56-55-3		1.1E+00		2.1E+01	
~Benzo(j)fluoranthene	205-82-3		4.2E-01		1.8E+00	
~Benzo[a]pyrene	50-32-8		1.1E-01		2.1E+00	
~Benzo[b]fluoranthene	205-99-2		1.1E+00		2.1E+01	
~Benzo[k]fluoranthene	207-08-9		1.1E+01		2.1E+02	
~Chloronaphthalene, Beta-	91-58-7		4.8E+03		6.0E+04	
~Chrysene	218-01-9		1.1E+02		2.1E+03	
~Dibenz[a,h]anthracene	53-70-3		1.1E-01		2.1E+00	
~Dibenzo(a,e)pyrene	192-65-4		4.2E-02		1.8E-01	
~Dimethylbenz(a)anthracene, 7,12-	57-97-6		4.6E-04		8.4E-03	
~Fluoranthene	206-44-0		2.4E+03		3.0E+04	
~Fluorene	86-73-7		2.4E+03		3.0E+04	
~Indeno[1,2,3-cd]pyrene	193-39-5		1.1E+00		2.1E+01	
~Methylnaphthalene, 1-	90-12-0		1.8E+01		7.3E+01	
~Methylnaphthalene, 2-	91-57-6		2.4E+02		3.0E+03	
~Naphthalene	91-20-3		3.8E+00		1.7E+01	
~Nitropyrene, 4-	57835-92-4		4.2E-01		1.8E+00	
~Pyrene	129-00-0		1.8E+03		2.3E+04	
Potassium Perfluorobutane Sulfonate	29420-49-3		1.3E+03		1.6E+04	
Prochloraz	67747-09-5		3.6E+00		1.5E+01	
Profluralin	26399-36-0		4.7E+02		7.0E+03	
Prometon	1610-18-0		9.5E+02		1.2E+04	
Prometryn	7287-19-6		2.5E+03		3.3E+04	
Pronamide	23950-58-5		4.7E+03		6.2E+04	
Propachlor	1918-16-7		8.2E+02		1.1E+04	
Propanil	709-98-8		3.2E+02		4.1E+03	
Propargite	2312-35-8		2.8E+00		1.2E+01	
Propargyl Alcohol	107-19-7		1.6E+02		2.3E+03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Analytes	CAS No.	Results (mg/kg)	RSL Limits Residential Site Soil (mg/kg)	Is the result below RSL Residential Site limit? If Yes, acceptable for unrestricted onsite use of soil.	RSL Limits Industrial Site Soil (mg/kg)	Is the result below RSL Industrial Site limit? If Yes, acceptable for unlined and lined units.
Propazine	139-40-2		1.3E+03		1.6E+04	
Propham	122-42-9		1.3E+03		1.6E+04	
Propiconazole	60207-90-1		6.3E+03		8.2E+04	
Propionaldehyde	123-38-6		7.5E+01		3.1E+02	
Propyl benzene	103-65-1		3.8E+03		2.4E+04	
Propylene	115-07-1		2.2E+03		9.3E+03	
Propylene Glycol	57-55-6		1.3E+06		1.6E+07	
Propylene Glycol Dinitrate	6423-43-4		3.9E+05		1.6E+06	
Propylene Glycol Monomethyl Ether	107-98-2		4.1E+04		3.7E+05	
Propylene Oxide	75-56-9		2.1E+00		9.7E+00	
Pyridine	110-86-1		7.8E+01		1.2E+03	
Quinalphos	13593-03-8		3.2E+01		4.1E+02	
Quinoline	91-22-5		1.8E-01		7.7E-01	
Quizalofop-ethyl	76578-14-8		5.7E+02		7.4E+03	
Resmethrin	10453-86-8		1.9E+03		2.5E+04	
Ronnel	299-84-3		3.9E+03		5.8E+04	
Rotenone	83-79-4		2.5E+02		3.3E+03	
Safrole	94-59-7		5.5E-01		1.0E+01	
Selenious Acid	7783-00-8		3.9E+02		5.8E+03	
Selenium	7782-49-2		3.9E+02		5.8E+03	
Selenium Sulfide	7446-34-6		3.9E+02		5.8E+03	
Sethoxydim	74051-80-2		8.8E+03		1.1E+05	
Silica (crystalline, respirable)	7631-86-9		4.3E+06		1.8E+07	
Silver	7440-22-4		3.9E+02		5.8E+03	
Simazine	122-34-9		4.5E+00		1.9E+01	
Sodium Acifluorfen	62476-59-9		8.2E+02		1.1E+04	
Sodium Azide	26628-22-8		3.1E+02		4.7E+03	
Sodium Diethyldithiocarbamate	148-18-5		2.0E+00		8.5E+00	
Sodium Fluoride	7681-49-4		3.9E+03		5.8E+04	
Sodium Fluoroacetate	62-74-8		1.3E+00		1.6E+01	
Sodium Metavanadate	13718-26-8		7.8E+01		1.2E+03	
Sodium Tungstate	13472-45-2		6.3E+01		9.3E+02	
Sodium Tungstate Dihydrate	10213-10-2		6.3E+01		9.3E+02	
Stirofos (Tetrachlorovinphos)	961-11-5		2.3E+01		9.6E+01	
Strontium, Stable	7440-24-6		4.7E+04		7.0E+05	
Strychnine	57-24-9		1.9E+01		2.5E+02	
Styrene	100-42-5		6.0E+03		3.5E+04	
Styrene-Acrylonitrile (SAN) Trimer	57964-39-3		1.9E+02		2.5E+03	
Sulfolane	126-33-0		6.3E+01		8.2E+02	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9		5.1E+01		6.6E+02	
Sulfur Trioxide	7446-11-9		1.4E+06		6.0E+06	
Sulfuric Acid	7664-93-9		1.4E+06		6.0E+06	
Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester	140-57-8		2.2E+01		9.2E+01	
TCMTB	21564-17-0		1.9E+03		2.5E+04	
Tebuthiuron	34014-18-1		4.4E+03		5.7E+04	
Temephos	3383-96-8		1.3E+03		1.6E+04	
Terbacil	5902-51-2		8.2E+02		1.1E+04	
Terbufos	13071-79-9		2.0E+00		2.9E+01	
Terbutryn	886-50-0		6.3E+01		8.2E+02	
Tert-Butyl Acetate	540-88-5		8.0E+00		3.5E+01	
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1		6.3E+00		8.2E+01	
Tetrachlorobenzene, 1,2,4,5-	95-94-3		2.3E+01		3.5E+02	
Tetrachloroethane, 1,1,1,2-	630-20-6		2.0E+00		8.8E+00	
Tetrachloroethane, 1,1,2,2-	79-34-5		6.0E-01		2.7E+00	
Tetrachloroethylene	127-18-4		2.4E+01		1.0E+02	
Tetrachlorophenol, 2,3,4,6-	58-90-2		1.9E+03		2.5E+04	
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1		3.5E-02		1.6E-01	
Tetraethyl Dithiopyrophosphate	3689-24-5		3.2E+01		4.1E+02	
Tetrafluoroethane, 1,1,1,2-	811-97-2		1.0E+05		4.3E+05	
Tetryl (Trinitrophenylmethylnitramine)	479-45-8		1.6E+02		2.3E+03	
Thallic Oxide	1314-32-5		1.6E+00		2.3E+01	
Thallium (I) Nitrate	10102-45-1		7.8E-01		1.2E+01	
Thallium (Soluble Salts)	7440-28-0		7.8E-01		1.2E+01	
Thallium Acetate	563-68-8		7.8E-01		1.2E+01	
Thallium Carbonate	6533-73-9		1.6E+00		2.3E+01	
Thallium Chloride	7791-12-0		7.8E-01		1.2E+01	
Thallium Selenite	12039-52-0		7.8E-01		1.2E+01	
Thallium Sulfate	7446-18-6		1.6E+00		2.3E+01	
Thifensulfuron-methyl	79277-27-3		2.7E+03		3.5E+04	
Thiobencarb	28249-77-6		6.3E+02		8.2E+03	
Thiodiglycol	111-48-8		5.4E+03		7.9E+04	
Thiofanox	39196-18-4		1.9E+01		2.5E+02	
Thiophanate, Methyl	23564-05-8		4.7E+01		2.0E+02	
Thiram	137-26-8		9.5E+02		1.2E+04	
Tin	7440-31-5		4.7E+04		7.0E+05	
Titanium Tetrachloride	7550-45-0		1.4E+05		6.0E+05	
Toluene	108-88-3		4.9E+03		4.7E+04	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Toluene-2,4-diisocyanate	584-84-9		6.4E+00		2.7E+01	
Toluene-2,5-diamine	95-70-5		3.0E+00		1.3E+01	
Toluene-2,6-diisocyanate	91-08-7		5.3E+00		2.2E+01	
Toluic Acid, p-	99-94-5		3.2E+02		4.1E+03	
Toluidine, o- (Methylaniline, 2-)	95-53-4		3.4E+01		1.4E+02	
Toluidine, p-	106-49-0		1.8E+01		7.7E+01	
Total Petroleum Hydrocarbons (Aliphatic High)	E1790670		2.3E+05		3.5E+06	
Total Petroleum Hydrocarbons (Aliphatic Low)	E1790666		5.2E+02		2.2E+03	
Total Petroleum Hydrocarbons (Aliphatic Medium)	E1790668		9.6E+01		4.4E+02	
Total Petroleum Hydrocarbons (Aromatic High)	E1790676		2.5E+03		3.3E+04	
Total Petroleum Hydrocarbons (Aromatic Low)	E1790672		8.2E+01		4.2E+02	
Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674		1.1E+02		6.0E+02	
Toxaphene	8001-35-2		4.9E-01		2.1E+00	
Toxaphene, Weathered	E1841606		1.9E+00		2.5E+01	
Tralomethrin	66841-25-6		4.7E+02		6.2E+03	
Tri-n-butyltin	688-73-3		2.3E+01		3.5E+02	
Triacetin	102-76-1		5.1E+06		6.6E+07	
Triadimefon	43121-43-3		2.1E+03		2.8E+04	
Triallate	2303-17-5		9.7E+00		4.6E+01	
Triasulfuron	82097-50-5		6.3E+02		8.2E+03	
Tribenuron-methyl	101200-48-0		5.1E+02		6.6E+03	
Tribromobenzene, 1,2,4-	615-54-3		3.9E+02		5.8E+03	
Tribromophenol, 2,4,6-	118-79-6		5.7E+02		7.4E+03	
Tributyl Phosphate	126-73-8		6.0E+01		2.6E+02	
Tributyltin Compounds	E1790678		1.9E+01		2.5E+02	
Tributyltin Oxide	56-35-9		1.9E+01		2.5E+02	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1		6.7E+03		2.8E+04	
Trichloroacetic Acid	76-03-9		7.8E+00		3.3E+01	
Trichloroaniline HCl, 2,4,6-	33663-50-2		1.9E+01		7.9E+01	
Trichloroaniline, 2,4,6-	634-93-5		1.9E+00		2.5E+01	
Trichlorobenzene, 1,2,3-	87-61-6		6.3E+01		9.3E+02	
Trichlorobenzene, 1,2,4-	120-82-1		2.4E+01		1.1E+02	
Trichloroethane, 1,1,1-	71-55-6		8.1E+03		3.6E+04	
Trichloroethane, 1,1,2-	79-00-5		1.1E+00		5.0E+00	
Trichloroethylene	79-01-6		9.4E-01		6.0E+00	
Trichlorofluoromethane	75-69-4		2.3E+04		3.5E+05	
Trichlorophenol, 2,4,5-	95-95-4		6.3E+03		8.2E+04	
Trichlorophenol, 2,4,6-	88-06-2		4.9E+01		2.1E+02	
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5		6.3E+02		8.2E+03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Trichlorophenoxypropionic acid, -2,4,5	93-72-1		5.1E+02		6.6E+03	
Trichloropropane, 1,1,2-	598-77-6		3.9E+02		5.8E+03	
Trichloropropane, 1,2,3-	96-18-4		5.1E-03		1.1E-01	
Trichloropropene, 1,2,3-	96-19-5		7.3E-01		3.1E+00	
Tricresyl Phosphate (TCP)	1330-78-5		1.3E+03		1.6E+04	
Tridiphane	58138-08-2		1.9E+02		2.5E+03	
Triethylamine	121-44-8		1.2E+02		4.8E+02	
Triethylene Glycol	112-27-6		1.3E+05		1.6E+06	
Trifluoroethane, 1,1,1-	420-46-2		1.5E+04		6.2E+04	
Trifluralin	1582-09-8		9.0E+01		4.2E+02	
Trimethyl Phosphate	512-56-1		2.7E+01		1.1E+02	
Trimethylbenzene, 1,2,3-	526-73-8		3.4E+02		2.0E+03	
Trimethylbenzene, 1,2,4-	95-63-6		3.0E+02		1.8E+03	
Trimethylbenzene, 1,3,5-	108-67-8		2.7E+02		1.5E+03	
Trimethylpentene, 2,4,4-	25167-70-8		7.8E+02		1.2E+04	
Trinitrobenzene, 1,3,5-	99-35-4		2.2E+03		3.2E+04	
Trinitrotoluene, 2,4,6-	118-96-7		2.1E+01		9.6E+01	
Triphenylphosphine Oxide	791-28-6		1.3E+03		1.6E+04	
Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8		1.3E+03		1.6E+04	
Tris(1-chloro-2-propyl)phosphate	13674-84-5		6.3E+02		8.2E+03	
Tris(2,3-dibromopropyl)phosphate	126-72-7		2.8E-01		1.3E+00	
Tris(2-chloroethyl)phosphate	115-96-8		2.7E+01		1.1E+02	
Tris(2-ethylhexyl)phosphate	78-42-2		1.7E+02		7.2E+02	
Tungsten	7440-33-7		6.3E+01		9.3E+02	
Uranium (Soluble Salts)	E715565		1.6E+01		2.3E+02	
Urethane	51-79-6		1.2E-01		2.3E+00	
Vanadium Pentoxide	1314-62-1		4.6E+02		2.0E+03	
Vanadium and Compounds	7440-62-2		3.9E+02		5.8E+03	
Vernolate	1929-77-7		7.8E+01		1.2E+03	
Vinclozolin	50471-44-8		7.6E+01		9.8E+02	
Vinyl Acetate	108-05-4		9.1E+02		3.8E+03	
Vinyl Bromide	593-60-2		1.2E-01		5.2E-01	
Vinyl Chloride	75-01-4		5.9E-02		1.7E+00	
Warfarin	81-81-2		1.9E+01		2.5E+02	
Xylene, P-	106-42-3		5.6E+02		2.4E+03	
Xylene, m-	108-38-3		5.5E+02		2.4E+03	
Xylene, o-	95-47-6		6.5E+02		2.8E+03	
Xylenes	1330-20-7		5.8E+02		2.5E+03	
Zinc Phosphide	1314-84-7		2.3E+01		3.5E+02	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

EPA Regional Screening Levels (RSLs)

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Analytes	CAS No.	Results (mg/kg)	RSL Limits Residential Site Soil (mg/kg)	Is the result below RSL Residential Site limit? If Yes, acceptable for unrestricted onsite use of soil.	RSL Limits Industrial Site Soil (mg/kg)	Is the result below RSL Industrial Site limit? If Yes, acceptable for unlined and lined units.
Zinc and Compounds	7440-66-6		2.3E+04		3.5E+05	
Zineb	12122-67-7		3.2E+03		4.1E+04	
Zirconium	7440-67-7		6.3E+00		9.3E+01	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

San Francisco Bay Regional Board Environmental Screening Levels (ESLs)

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Updated Table January 2019.

Analytes	CAS No.	Results (mg/kg)	ESL "Soil Tier 1" Limits (mg/kg)	Is the result below ESL "Soil Tier 1" Limits? If Yes, acceptable for unrestricted onsite use of soil.	ESL "Leaching to Groundwater" Limits (mg/kg)	Is the result below ESL "Leaching to Groundwater" limit? If Yes, acceptable for unlined and lined units of Landfills.
Acenaphthene [PAH]	83-32-9		1.2E+01		1.2E+01	
Acenaphthylene [PAH]	208-96-8		6.4E+00		6.4E+00	
Acetone	67-64-1		9.2E-01		9.2E-01	
Aldrin	309-00-2		2.4E-03		8.4E+00	
Anthracene [PAH]	120-12-7		1.9E+00		1.9E+00	
Antimony	7440-36-0		1.1E+01		--	
Arsenic	7440-38-2		6.7E-02		--	
Barium	7440-39-3		3.9E+02		--	
Benzene	71-43-2		2.5E-02		2.5E-02	
Benzo[a]pyrene [PAH]	50-32-8		6.3E-01		1.0E+01	
Benzo[g,h,i]perylene [PAH]	191-24-2		1.1E+00		5.7E+00	
Benzo[b]fluoranthene [PAH]	205-99-2		2.8E+00		5.4E+00	
Benzo[a]anthracene [PAH]	56-55-3		2.5E+00		2.7E+01	
Benzo[k]fluoranthene [PAH]	207-08-9		1.1E-01		4.8E+00	
Beryllium	7440-41-7		5.0E+00		--	
1,1-Biphenyl	92-52-4		4.2E-01		4.2E-01	
Bis(2-chloroethyl) ether	111-44-4		3.4E-05		3.4E-05	
Bis(2-chloro-1-methylethyl) ether	108-60-1		5.1E-03		5.1E-03	
Bis(2-ethylhexyl) phthalate	117-81-7		8.0E-01		1.9E+02	
Boron	7440-42-8		1.2E+02		--	
Bromodichloromethane	75-27-4		1.6E-02		1.6E-02	
Bromoform (Tribromomethane)	75-25-2		6.9E-01		6.9E-01	
Bromomethane	74-83-9		3.6E-01		3.6E-01	
Cadmium (soil)	7440-43-9		1.9E+00		--	
Carbon tetrachloride	56-23-5		1.1E-02		1.1E-02	
Chlordane	12789-03-6		8.5E-03		2.3E+01	
p-Chloroaniline	106-47-8		6.7E-03		6.7E-03	
Chlorobenzene	108-90-7		1.4E+00		1.4E+00	
Chloroethane	75-00-3		1.2E+00		1.2E+00	
Chloroform	67-66-3		2.3E-02		2.3E-02	
Chloromethane	74-87-3		1.1E+01		1.1E+01	
2-Chlorophenol	95-57-8		1.2E-02		1.2E-02	
Chromium (total)	7440-47-3		1.6E+02		--	
Chromium III	16065-83-1		1.2E+05		--	
Chromium VI	18540-29-9		3.0E-01		--	
Chrysene [PAH]	218-01-9		2.2E+00		2.2E+00	
Cobalt	7440-48-4		2.3E+01		--	
Copper	7440-50-8		1.8E+02		--	
Cyanide	57-12-5		3.4E-03		3.4E-03	
Dibenz[a,h]anthracene [PAH]	53-70-3		1.1E-01		2.9E+01	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

San Francisco Bay Regional Board Environmental Screening Levels (ESLs)

Only fill in the light pink highlighted cells

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Updated Table January 2019.

Analytes	CAS No.	Results (mg/kg)	ESL "Soil Tier 1" Limits (mg/kg)	Is the result below ESL "Soil Tier 1" Limits? If Yes, acceptable for unrestricted onsite use of soil.	ESL "Leaching to Groundwater" Limits (mg/kg)	Is the result below ESL "Leaching to Groundwater" limit? If Yes, acceptable for unlined and lined units of Landfills.
Dibromochloromethane	124-48-1		3.5E-01		3.5E-01	
1,2-dibromo-3-chloropropane	96-12-8		5.9E-04		5.9E-04	
1,2-Dibromoethane	106-93-4		5.3E-04		5.3E-04	
1,2-Dichlorobenzene	95-50-1		1.0E+00		1.0E+00	
1,3-Dichlorobenzene	541-73-1		6.0E+00		7.4E+00	
1,4-Dichlorobenzene	106-46-7		2.0E-01		2.0E-01	
3,3-Dichlorobenzidine	91-94-1		2.5E-02		2.5E-02	
DDD	72-54-8		2.7E+00		6.5E+01	
DDE	72-55-9		3.3E-01		2.9E+01	
DDT	50-29-3		1.1E-03		5.6E+00	
1,1-Dichloroethane	75-34-3		2.0E-01		2.0E-01	
1,2-Dichloroethane	107-06-2		7.0E-03		7.0E-03	
1,1-Dichloroethene	75-35-4		5.4E-01		5.4E-01	
cis-1,2-Dichloroethene	156-59-2		1.9E-01		1.9E-01	
trans-1,2-Dichloroethene	156-60-5		6.5E-01		6.5E-01	
2,4-Dichlorophenol	120-83-2		7.5E-03		7.5E-03	
1,2-Dichloropropane	78-87-5		6.5E-02		6.5E-02	
1,3-Dichloropropene	542-75-6		1.7E-02		1.7E-02	
Dieldrin	60-57-1		4.6E-04		4.6E-04	
Diethyl phthalate	84-66-2		2.5E-02		2.5E-02	
Dimethyl phthalate	131-11-3		3.5E-02		3.5E-02	
2,4-Dimethylphenol	105-67-9		8.1E+00		8.1E+00	
2,4-Dinitrophenol	51-28-5		3.0E+00		3.0E+00	
2,4-Dinitrotoluene	121-14-2		2.3E-02		2.3E-02	
1,4-Dioxane	123-91-1		1.7E-04		1.7E-04	
Dioxin (2,3,7,8-TCDD)	1746-01-6		4.8E-06		3.0E-01	
Endosulfan	115-29-7		9.8E-03		9.8E-03	
Endrin	72-20-8		1.1E-03		7.6E-03	
Ethylbenzene	100-41-4		4.3E-01		4.3E-01	
Fluoranthene [PAH]	206-44-0		6.9E-01		8.6E+01	
Fluorene [PAH]	86-73-7		6.0E+00		6.0E+00	
Heptachlor	76-44-8		1.2E-01		4.4E+01	
Heptachlor epoxide	1024-57-3		1.8E-04		1.8E-04	
Hexachlorobenzene	118-74-1		8.0E-04		8.0E-04	
Hexachlorobutadiene	87-68-3		2.8E-02		2.8E-02	
g-Hexachlorocyclohexane (Lindane)	58-89-9		7.4E-03		7.4E-03	
Hexachloroethane	67-72-1		1.9E-02		1.9E-02	
Indeno[1,2,3-c,d]pyrene [PAH]	193-39-5		4.8E-01		1.6E+01	
Lead	7439-92-1		3.2E+01		--	
Mercury (elemental)	7439-97-6		1.3E+01		--	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

San Francisco Bay Regional Board Environmental Screening Levels (ESLs)

Only fill in the light pink highlighted cells

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Updated Table January 2019.

Analytes	CAS No.	Results (mg/kg)	ESL "Soil Tier 1" Limits (mg/kg)	Is the result below ESL "Soil Tier 1" Limits? If Yes, acceptable for unrestricted onsite use of soil.	ESL "Leaching to Groundwater" Limits (mg/kg)	Is the result below ESL "Leaching to Groundwater" limit? If Yes, acceptable for unlined and lined units of Landfills.
Methoxychlor	72-43-5		1.3E-02		1.3E-02	
Methylene chloride	75-09-2		1.2E-01		1.2E-01	
Methyl ethyl ketone	78-93-3		6.1E+00		6.1E+00	
Methyl isobutyl ketone	108-10-1		3.6E-01		3.6E-01	
Methyl mercury	22967-92-6		3.4E-02		--	
2-Methylnaphthalene	91-57-6		8.8E-01		8.8E-01	
Methyl tertiary butyl ether (MTBE)	1634-04-4		2.8E-02		2.8E-02	
Molybdenum	7439-98-7		6.9E+00		--	
Naphthalene [PAH]	91-20-3		4.2E-02		4.2E-02	
Nickel	7440-02-0		8.6E+01		--	
Pentachlorophenol	87-86-5		1.3E-02		9.8E-02	
Perchlorate	7790-98-9		5.5E+01		--	
Petroleum - Gasoline	--		1.0E+02		1.1E+03	
Petroleum - Stoddard Solvent	--		1.0E+02		1.3E+03	
Petroleum - Jet Fuel	--		1.0E+02		1.3E+03	
Petroleum - Diesel	--		2.6E+02		1.1E+03	
Petroleum - Motor Oil	--		1.6E+03		--	
Phenanthrene [PAH]	85-01-8		7.8E+00		1.1E+01	
Phenol	108-95-2		1.6E-01		1.6E-01	
Polychlorinated biphenyls (PCBs)	1336-36-3		2.3E-01		3.3E+02	
Pyrene [PAH]	129-00-0		4.5E+01		4.5E+01	
Selenium	7782-49-2		2.4E+00		--	
Silver	7440-22-4		2.5E+01		--	
Styrene	100-42-5		9.2E-01		9.2E-01	
tert-Butyl alcohol	75-65-0		7.5E-02		7.5E-02	
1,1,1,2-Tetrachloroethane	630-20-6		1.7E-02		1.7E-02	
1,1,2,2-Tetrachloroethane	79-34-5		1.8E-02		1.8E-02	
Tetrachloroethene	127-18-4		8.0E-02		8.0E-02	
Thallium	7440-28-0		7.8E-01		--	
Toluene	108-88-3		3.2E+00		3.2E+00	
Toxaphene	8001-35-2		5.1E-01		2.5E+02	
1,2,4-Trichlorobenzene	120-82-1		1.2E+00		1.2E+00	
1,1,1-Trichloroethane	71-55-6		7.0E+00		7.0E+00	
1,1,2-Trichloroethane	79-00-5		7.6E-02		7.6E-02	
Trichloroethene	79-01-6		8.5E-02		8.5E-02	
2,4,5-Trichlorophenol	95-95-4		2.9E+00		2.9E+00	
2,4,6-Trichlorophenol	88-06-2		4.0E-02		4.0E-02	
1,2,3-Trichloropropane	96-18-4		1.1E-04		1.1E-04	
Vanadium	7440-62-2		1.8E+01		--	
Vinyl chloride	75-01-4		1.5E-03		1.5E-03	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

San Francisco Bay Regional Board Environmental Screening Levels (ESLs)

Only fill in the light pink highlighted cells

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Updated Table January 2019.

Analytes	CAS No.	Results (mg/kg)	ESL "Soil Tier 1" Limits (mg/kg)	Is the result below ESL "Soil Tier 1" Limits? If Yes, acceptable for unrestricted onsite use of soil.	ESL "Leaching to Groundwater" Limits (mg/kg)	Is the result below ESL "Leaching to Groundwater" limit? If Yes, acceptable for unlined and lined units of Landfills.
Xylenes	1330-20-7		2.1E+00		2.1E+00	
Zinc	7440-66-6		3.4E+02		--	

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

Maximum Contaminant Levels (MCL's)

Only fill in the light pink highlighted cells

Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Updated Table 03/13/2019

Analytes	Results	MCL Regulatory Levels (unit mg/L, unless otherwise noted)	Is the result less than 10 times MCL? ***If yes, acceptable for unrestricted onsite use.***	Is the result less than 100 times MCL? ***If yes, acceptable for unlined and lined units of landfills*** .
Chemicals with MCLs in 22 CCR §64431—Inorganic Chemicals				
Aluminum		1		
Antimony		0.006		
Arsenic		0.01		
Asbestos (million fibers per liter)		7		
Barium		1		
Beryllium		0.004		
Cadmium		0.005		
Chromium, Total - OEHHA withdrew the 0.0025-mg/L PHG		0.05		
Cyanide		0.15		
Fluoride		2		
Mercury (inorganic)		0.002		
Nickel		0.1		
Nitrate (as nitrogen, N)		10		
Nitrite (as N)		1		
Nitrate + Nitrite (as N)		10		
Perchlorate		0.006		
Selenium		0.05		
Thallium		0.002		
Copper and Lead, 22 CCR §64672.3				
Values referred to as MCLs for lead and copper are not actually MCLs; instead, they are called "Action Levels" under the lead and copper rule.				
Copper		1.3		
Lead		0.015		
Radionuclides with MCLs in 22 CCR §64441 and §64443 - Radioactivity				
units are in picocurries per liter (pCi/L), unless otherwise stated; n/a = not applicable				
Gross alpha particle activity		15		
Gross beta particle activity (mrem/year)		4		
Radium-226 + Radium-228		5		
Strontium-90		8		
Tritium		20,000.00		
Uranium		20		
Chemicals with MCLs in 22 CCR §64444—Organic Chemicals				
(a) Volatile Organic Chemicals (VOCs)				
Benzene		0.001		
Carbon tetrachloride		0.0005		
1,2-Dichlorobenzene		0.6		
1,4-Dichlorobenzene (p-DCB)		0.005		
1,1-Dichloroethane (1,1-DCA)		0.005		
1,2-Dichloroethane (1,2-DCA)		0.0005		
1,1-Dichloroethylene (1,1-DCE)		0.006		
cis-1,2-Dichloroethylene		0.006		
trans-1,2-Dichloroethylene		0.01		
Dichloromethane (Methylene chloride)		0.005		
1,2-Dichloropropane		0.005		
1,3-Dichloropropene		0.0005		
Ethylbenzene		0.3		
Methyl tertiary butyl ether (MTBE)		0.013		
Monochlorobenzene		0.07		
Styrene		0.1		
1,1,2,2-Tetrachloroethane		0.001		
Tetrachloroethylene (PCE)		0.005		
Toluene		0.15		
1,2,4-Trichlorobenzene		0.005		
1,1,1-Trichloroethane (1,1,1-TCA)		0.2		
1,1,2-Trichloroethane (1,1,2-TCA)		0.005		
Trichloroethylene (TCE)		0.005		
Trichlorofluoromethane (Freon 11)		0.15		
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)		1.2		
Vinyl chloride		0.0005		
Xylenes		1.75		
(b) Non-Volatile Synthetic Organic Chemicals (SOCs)				

WASTE APPROVAL PROCESS ANALYTICAL RESULTS REVIEW

Maximum Contaminant Levels (MCL's)

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Customer:		**Site Address:**			
Contact Name:		**Contact Phone No.:**			
RCDWR Staff:		**Sample Date:**		**Sample ID:**	

Updated Table 03/13/2019

Analytes	Results	MCL Regulatory Levels (unit mg/L, unless otherwise noted)	Is the result less than 10 times MCL? ***If yes, acceptable for unrestricted onsite use.***	Is the result less than 100 times MCL? ***If yes, acceptable for unlined and lined units of landfills*** .
Alachlor		0.002	Yes	Yes
Atrazine		0.001	Yes	Yes
Bentazon		0.018	Yes	Yes
Benzo(a)pyrene		0.0002	Yes	Yes
Carbofuran		0.018	Yes	Yes
Chlordane		0.0001	Yes	Yes
Dalapon		0.2	Yes	Yes
1,2-Dibromo-3-chloropropane (DBCP)		0.0002	Yes	Yes
2,4-Dichlorophenoxyacetic acid (2,4-D)		0.07	Yes	Yes
Di(2-ethylhexyl)adipate		0.4	Yes	Yes
Di(2-ethylhexyl)phthalate (DEHP)		0.004	Yes	Yes
Dinoseb		0.007	Yes	Yes
Diquat		0.02	Yes	Yes
Endothal		0.1	Yes	Yes
Endrin		0.002	Yes	Yes
Ethylene dibromide (EDB)		0.00005	Yes	Yes
Glyphosate		0.7	Yes	Yes
Heptachlor		0.00001	Yes	Yes
Heptachlor epoxide		0.00001	Yes	Yes
Hexachlorobenzene		0.001	Yes	Yes
Hexachlorocyclopentadiene		0.05	Yes	Yes
Lindane		0.0002	Yes	Yes
Methoxychlor		0.03	Yes	Yes
Molinate		0.02	Yes	Yes
Oxamyl		0.05	Yes	Yes
Pentachlorophenol		0.001	Yes	Yes
Picloram		0.5	Yes	Yes
Polychlorinated biphenyls (PCBs)		0.0005	Yes	Yes
Simazine		0.004	Yes	Yes
Thiobencarb		0.07	Yes	Yes
Toxaphene		0.003	Yes	Yes
1,2,3-Trichloropropane		0.000005	Yes	Yes
2,3,7,8-TCDD (dioxin)		3.00E-08	Yes	Yes
2,4,5-TP (Silvex)		0.05	Yes	Yes
Chemicals with MCLs in 22 CCR §64533—Disinfection Byproducts				
Total Trihalomethanes		0.08	Yes	Yes
Haloacetic Acids (five) (HAA5)		0.06	Yes	Yes
Bromate		0.01	Yes	Yes
Chlorite		1	Yes	Yes

Analyte	Analytical Result	MCL Regulatory Level (mg/kg)	Is the result less than MCL? If yes, it is acceptable for disposal at lined units.
PCB		50	Yes