

Southeast Regional Office CLEAN WATER PROGRAM

Renewal Application Type Facility Type Municipal Major / Minor Major

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

PA0024058 Application No. APS ID 1038711 1354474 Authorization ID

	Applicant and Facility Information										
Applicant Name	Kenne Coun	ett Square Borough Chester ty	Facility Name	Kennett Square Borough WWTP							
Applicant Address	120 M	larshall Street	Facility Address	660 W South Street							
	Kenne	ett Square, PA 19348-3108	_	Kennett Square, PA 19348-2442							
Applicant Contact	Rober	rt Moran	Facility Contact	Michael Short							
Applicant Phone	(610)	444-6020	Facility Phone	(610) 444-3770							
Client ID	65288	3	Site ID	451897							
Ch 94 Load Status	Existir	ng Organic Overload	Municipality	Kennett Square Borough							
Connection Status	Self Ir	nposed Connection Prohibition	County	Chester							
Date Application Rece	eived	May 17, 2021	EPA Waived?	No							
Date Application Accepted Not Applicable		Not Applicable	If No, Reason	Major Facility							
Purpose of Application	n	Permit renewal.									

Summary of Review

This permit application was received to renew the NPDES permit PA0024058. In summary, many of the parameters, monitoring frequencies and sample type were carried over in this permit renewal. Due to information provided in the application and updated modeling efforts, new parameter limitations and monitoring are added to the permit (see below for a detailed description).

The facility has a pre-treatment plan. The following industrial users were noted on the renewal application: Avello/Queens Produce

Kaolin Mushroom Farms New Garden Township

Sylvan America/Sylvan Bio.

Act 14 Notifications:

Chester County Received October 30, 2020

Borough of Kennett Square Received November 30, 2021

Kennett Township Received May 26, 2021

Sludge use and disposal description and location(s): hauled off-site

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the Pennsylvania Bulletin in accordance with 25 Pa. Code § 92a.82. Upon publication in the Pennsylvania Bulletin, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request

Approve	Deny	Signatures	Date
Х		Harmonie Hawley, PhD, PE / Environmental Engineering Specialist /s/	November 30, 2021
Х		Pravin C. Patel, P.E. / Environmental Engineer Manager /s/	12/01/2021

Summary of Review
or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the <i>Pennsylvania Bulletin</i> at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving \	Waters and Water Supply Infor	mation						
Outfall No. 001		Design Flow (MGD)	1.1					
Latitude 39° 50'	10"	Longitude	-75° 43' 30"					
Quad Name Kenn	nett Square	Quad Code 2040						
Wastewater Descripti	on: Sewage Effluent							
	West Branch Red Clay Creek (TSF, MF)	Stream Code	00391					
	26092318	RMI	3.78					
_	9.84 miles squared	Yield (cfs/mi²)	0.012					
_	1.2	Q ₇₋₁₀ Basis	PA StreamStats					
` '	287	Slope (ft/ft)	0.00364					
Watershed No.	3-I	Chapter 93 Class.	TSF, MF					
Existing Use	Same as Chapter 93	Existing Use Qualifier	N/A					
Exceptions to Use	None	Exceptions to Criteria	None					
Assessment Status	Impaired							
Cause(s) of Impairme	ent Organic Enrichment, Poly	olychlorinated Biphenyls (PCBs), Siltation						
Source(s) of Impairme	ent Agriculture, Agriculture, S	, Source Unknown						
TMDL Status	Final, Final	Christina Ri Name Watershed	ver Basin, Red Clay Creek					
Background/Ambient	Data	Data Source						
pH (SU)	_7	TRG WQM (391-2000-007 de	fault data)					
Temperature (°F)	68 (20 °C)	TRG WQM (391-2000-007 de	fault data)					
Hardness (mg/L)	100	Toxics Analysis Spreadsheet	default					
Other:	N/A	None	_					
Nearest Downstream	Public Water Supply Intake	None in PA						
PWS Waters N/A	Α	Flow at Intake (cfs) N/A						
PWS RMI N/	Α	Distance from Outfall (mi) N/A						

Changes Since Last Permit Issuance: Used updated PA StreamStats information

Other Comments: It is noted in the application that there is a drinking water intake over the DE border approximately 16 miles downstream.

Discharge, Receiving \	Waters and Water Supply Inform	ation	
Outfall No. 002		Design Flow (MGD)	0 (Stormwater)
Latitude 39° 50'	16"	Longitude	-75° 43' 27"
Quad Name Kenn	nett Square	Quad Code	2040
Wastewater Descripti	on: Stormwater		
I	Unnamed Tributary to West Brancl	h	
Receiving Waters	Red Clay Creek (TSF, MF)	Stream Code	
NHD Com ID	26092290	RMI	
Watershed No.	3-I	Chapter 93 Class.	TSF, MF
Existing Use	Same as Chapter 93	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	None
Assessment Status	Impaired		
Cause(s) of Impairme	ent Organic Enrichment, Polycl	hlorinated Biphenyls (PCBs),	Siltation
Source(s) of Impairme	ent Agriculture, Agriculture, So	urce Unknown	
		Christina R	liver Basin, Red Clay Creek
TMDL Status	Final, Final	Name Watershed	

Changes Since Last Permit Issuance: None

Other Comments: None

	Tre	eatment Facility Summary	/	
Γreatment Facility N	ame: Kennett Square Borou	gh WWTP		
WQM Permit No.	Issuance Date			
1599403	09/02/1999; Amended 12/0	1/2003		
1503415	02/27/2004			
1512407	08/20/2012			
1518403	08/29/2018			
	Degree of			Avg Annual
Waste Type	Treatment	Process Type	Disinfection	Flow (MGD)
Sewage	Secondary	Oxidation Ditch	Ultraviolet	1.1
•	•		•	
Hydraulic Capacity	Organic Capacity			Biosolids
(MGD)	(lbs/day)	Load Status	Biosolids Treatment	Use/Disposa
1.4	3500	Existing Organic Overload	Aerobic Digestion	Landfill

Changes Since Last Permit Issuance: None

Other Comments: None

Compliance History

DMR Data for Outfall 001 (from October 1, 2020 to September 30, 2021)

Parameter	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20
Flow (MGD)												
Average Monthly	0.684	0.633	0.687	0.805	0.762	0.830	0.904	0.78	0.738	0.898	0.739	0.723
Flow (MGD)												
Daily Maximum	1.687	0.796	0.921	1.03	0.907	1.135	1.515	1.064	1.048	1.771	1.156	1.226
pH (S.U.)												
Instantaneous												
Minimum	7.75	7.81	7.64	7.55	7.44	7.41	7.35	7.37	7.5	7.47	7.44	7.5
pH (S.U.)												
Instantaneous												
Maximum	7.97	7.98	7.95	7.88	7.78	7.84	7.76	7.62	7.78	7.8	7.91	8.03
DO (mg/L)												
Instantaneous												
Minimum	8.18	7.11	7.04	7.01	8.18	8.84	9.01	10.08	9.32	9.28	8.58	8.41
CBOD5 (lbs/day)												
Average Monthly	< 20	< 18	< 18	< 20	< 20	< 23	< 25	< 23	< 19	< 23	< 19	< 20
CBOD5 (lbs/day)												
Weekly Average	< 35	< 17	< 19	22	< 21	< 25	< 34	29	< 23	< 31	< 23	< 20
CBOD5 (mg/L)			_					4				
Average Monthly	< 3	< 3	< 5	< 3	< 3	< 3	< 3	< 4	< 3	< 3	< 3	< 3
CBOD5 (mg/L)	4.0		F 4		0.0	0	0.0	F 4		_		
Weekly Average	< 4.2	< 3	5.4	< 3	< 3.3	< 3	< 3.6	5.1	< 3	< 3	< 3	< 3
BOD5 (lbs/day)												
Influent Average Monthly	2082	1707	1873	2207	2177	2364	2562	1531	1494	1848	1582	1734
BOD5 (lbs/day)	2002	1707	10/3	2207	2177	2304	2362	1331	1494	1040	1302	1734
Influent Weekly												
Average	2992	1916	1843	2455	3118	2739	3438	1764	1840	2023	1788	1867
BOD5 (mg/L)	2992	1910	1043	2433	3110	2139	3430	1704	1040	2023	1700	1007
Influent Average												
Monthly	314	316	314	326	334	329	323	248	231	244	245	280
BOD5 (mg/L)	017	0.10	017	020	00-7	020	020	2-10	201	277	2-10	200
Influent Weekly												
Average	322	342	333	376	442	410	390	269	240	255	255	317
TSS (lbs/day)	<u> </u>	<u> </u>	- 555	0.0	1		555	200	2.0		200	<u> </u>
Average Monthly	< 36	< 28	< 30	< 36	< 34	< 37	< 48	< 44	37	39	< 33	< 33

T00 (II / I)			T	1		1	I	ı		T	I	
TSS (lbs/day)												
Influent Average	4000	000	4055	4005	4.405	4.400	4470	000	4.40.4	4000	4005	4.407
Monthly	1200	888	1055	1225	1495	1429	1176	820	1494	1630	1225	1467
TSS (lbs/day)												
Influent Weekly												
Average	1723	1064	1194	1543	1973	1610	1388	1072	1822	2222	1495	1680
TSS (lbs/day)												
Weekly Average	< 48	< 30	< 33	41	< 40	< 42	< 60	61	45	< 51	< 38	< 43
TSS (mg/L)												
Average Monthly	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 7	< 6	< 5	< 5	< 5
TSS (mg/L)												
Influent br/> Average												
Monthly	185	165	178	175	232	202	150	136	232	200	194	237
TSS (mg/L)												
Influent Weekly												
Average	253	211	186	203	299	240	185	188	284	272	239	294
TSS (mg/L)												
Weekly Average	5.6	5.6	5.4	6	5.6	5.4	8	9.2	7.5	< 5.2	< 5.3	< 6.6
Fecal Coliform												
(CFU/100 ml)												
Geometric Mean	< 17	12	< 9	< 28	< 8	< 4	< 1	< 1	< 2	< 2	< 2	< 19
Fecal Coliform												
(CFU/100 ml)												
Instantaneous												
Maximum	45	59	54	130	39	35	< 1	< 1	30	33	23	< 43
Total Nitrogen												
(lbs/day)												
Average Monthly	47.0	21.0	39.0	57.0	47.0	65.0	82.0	58.0	32.0	65.0	61.0	56.0
Total Nitrogen (mg/L)												
Average Monthly	4.75	4.06	7.58	8.54	7.0	7.3	9.35	9.77	4.82	5.98	9.78	9.33
Total Nitrogen (mg/L)												
Instantaneous												
Maximum	4.84	4.24	9.07	9.23	7.2	8.2	9.55	12.93	5.89	7.37	9.89	9.64
Ammonia (lbs/day)												
Average Monthly	< 1	< 0.8	< 1	< 1	< 1	< 0.8	< 2	< 2	2	2	1	< 0.09
Ammonia (mg/L)												
Average Monthly	< 0.16	< 0.14	< 0.18	< 0.22	< 0.2	< 0.11	< 0.24	< 0.39	0.34	0.31	0.19	< 0.15
Total Phosphorus	-		-		-				-	-		
(lbs/day)												
Average Monthly	7	6	6	7	7	8	6	7	10	10	8	7
Total Phosphorus	-			· ·	•			-				
(mg/L)												
Average Monthly	1.07	1.12	0.95	1.04	1.09	1.1	0.71	1.09	1.57	1.34	1.2	1.19

						1					ı	1
Total Cadmium (mg/L)												
Average Monthly	< 0.005	< 0.001	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.001	< 0.004	< 0.005	< 0.005	< 0.005
Total Copper (mg/L)												
Average Monthly	0.006	0.007	0.014	0.011	< 0.01	< 0.01	< 0.01	0.004	0.005	< 0.053	0.11	0.011
Total Phenolics												
(lbs/day)												
Average Monthly	< 0.10	< 0.05	< 0.07	< 0.07	< 0.07	< 0.09	< 0.10	< 0.05	< 0.07	< 0.10	0.06	< 0.07
Total Phenolics												
(lbs/day)												
Daily Maximum	< 0.10	< 0.05	< 0.076	< 0.07	< 0.08	< 0.09	< 0.10	< 0.06	< 0.008	< 0.10	0.06	< 0.06
Total Phenolics (mg/L)												
Average Monthly	< 0.010	< 0.010	< 0.010	< 0.010	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Total Phenolics (mg/L)												
Daily Maximum	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.010	< 0.010	< 0.010	< 0.010	0.010	< 0.010	< 0.010
Chronic WET -												
Pimephales Survival												
(TUc)												
Daily Maximum	GG			2.2			GG			GG		
Chronic WET -												
Pimephales Growth												
(TUc)												
Daily Maximum	GG			2.2			GG			GG		

DMR Data for Outfall 002 (from October 1, 2020 to September 30, 2021)

Parameter	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21	APR-21	MAR-21	FEB-21	JAN-21	DEC-20	NOV-20	OCT-20
pH (S.U.)												
Annual Average										7.35		
CBOD5 (mg/L)												
Annual Average										3.9		
COD (mg/L)												
Annual Average										197		
TSS (mg/L)												
Annual Average										7.8		
Oil and Grease (mg/L)												
Annual Average										< 5		
TKN (mg/L)												
Annual Average										9.18		
Total Phosphorus												
(mg/L)												
Annual Average										0.66		

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Dissolved Iron (mg/L)						
Annual Average					0.72	

Compliance History

No open violations

Development of Effluent Limitations								
Outfall No.	001	Design Flow (MGD)	1.1					
Latitude	39° 50' 10.00"	Longitude	-75° 43' 30.00"					
Wastewater D	Description: Sewage Effluent	-						

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
CBOD₅	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
CBOD5	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
Solids	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
pН	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform				
(5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform				
(5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform				
(10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform				
(10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)

Comments: The facility does not use chlorine but uses UV disinfection. Monitoring of the UV system was added to the permit. The Total Suspended Solids concentration and the pH limitations in the existing permit are consistent with the above table and will be retained in this permit. E. coli was added to the permit with a sampling frequency of once per month per SOP No. BCW-PMT-033 based on Chapter 92a.61.

Water Quality-Based Limitations

A "Reasonable Potential Analysis" (Attachment A) was run using the Toxics management Spreadsheet (TMS) and the following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Total Aluminum	Report	Quarterly	TMS
Total Copper	0.0153		TMS
Free Cyanide	0.00682		TMS
Total Silver	Report		TMS
Total Zinc	0.131		TMS
4,6-Dinitro-o-Cresol	0.00341		TMS
2,4-Dinitrophenol	0.0171		TMS
Benzidine	0.0000006		TMS
Bis(2-Ethylhexyl)Phthalate	0.00196		TMS
3,3-Dichlorobenzidine	0.00031		TMS
Hexachlorobutadiene	0.000061		TMS

Comments: Limitations are added to the permit for Total Copper and Total Zinc. In the current permit Total Copper is "monitor" thus data exists from the past two (2) years. An analysis of the data indicates that the limitation can be made. Total Zinc was reported on the permit renewal application as an average of <0.736 and a maximum of 0.091 mg/l; the maximum value reported is less than the proposed limit.

The Free Cyanide, 4,6-Dinitro-o-Cresol, 2,4-Dinitrophenol, Benzidine, Bis(2-Ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, and Hexachlorobutadiene were all analyzed at values above the Target Quantitation Limit (TQL) multiple times. An

analysis of the parameters at the TQL indicates limitations would not be needed; however, samples need to be taken at that level for a Reasonable Potential Analysis. These parameters are added to the proposed permit renewal but will be "monitor" without limitations. This will allow the facility to gain information on these parameters. It is anticipated that a condition will be in the proposed permit which indicates the TQL and that monitoring should be analyzed at, or below, the TQL.

The WQM 7 model was run and is consistent with the existing permit (Attachment B).

The facility is part of the Christina River Basin TMDL. Wasteload allocations exist for CBOD5, NH3-N, TN, TP, and Fecal Coliform. The existing permit is consistent with the TMDL and those limitations are retained in this permit.

DRBC docket (D-1999-017 CP-2) has quarterly monitoring of TDS for this facility. Quarterly monitoring of TDS was added to this permit for consistency.

Best Professional Judgment (BPJ) Limitations

Comments: CBOD5 influent monitoring was added to the permit for consistency with the permit. The existing permit has an 85% removal requirement which indicates that influent sampling is occurring. Adding the item to Part A is consistent with the current permit. BOD5 and TSS influent monitoring are retained in this permit.

Anti-Backsliding

Total Cadmium and Total Phenolics are retained in this permit.

Development of Effluent Limitations								
Outfall No.	002	Design Flow (MGD)	0 (Stormwater)					
Latitude	39° 50' 16.00"	Longitude	-75° 43' 27.00"					
Wastewater [Description: Stormwater							

Best Professional Judgment (BPJ) Limitations

Comments: The same monitoring parameters, type and frequency are retained from the last permit.

Whole Effluent Toxici	ty (WET)
For Outfall 001, Acute Chronic WET Testing was complete	:t
For the permit renewal application (4 tests). Quarterly throughout the permit term. Quarterly throughout the permit term and a TIE/TRE was continuous. Other: See Permit	nducted.
See Attachment C, WETT Spreadsheet.	
WET Limits	
Has reasonable potential been determined? \square YES \boxtimes NO	
Will WET limits be established in the permit? ☐ YES ☒ NO	

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

		Monitoring Requirements						
Parameter	Mass Units	(lbs/day) ⁽¹⁾		Concentrat	ions (mg/L)		Minimum ⁽²⁾	Required
Farameter	Average Monthly	Weekly Average	Minimum	Daily Maximum	Average Quarterly	Instant. Maximum	Measurement Frequency	Sample Type
		Report						
Flow (MGD)	Report	Daily Max	XXX	XXX	XXX	XXX	Continuous	Metered
			6.0					
pH (S.U.)	XXX	XXX	Inst Min	XXX	XXX	9.0	1/day	Grab
			6.0					
DO	XXX	XXX	Inst Min	XXX	XXX	XXX	1/day	Grab
CBOD5				Report	Report			24-Hr
Influent	Report	Report	XXX	Avg Mo	Wkly Avg	XXX	2/week	Composite
CBOD5				25	40			24-Hr
Nov 1 - Apr 30	230	365	XXX	Avg Mo	Wkly Avg	50	2/week	Composite
CBOD5				17	25			24-Hr
May 1 - Oct 31	152	228	XXX	Avg Mo	Wkly Avg	33	2/week	Composite
BOD5				Report	Report			24-Hr
Influent	Report	Report	XXX	Avg Mo	Wkly Avg	XXX	2/week	Composite
TSS				Report	Report			24-Hr
Influent	Report	Report	XXX	Avg Mo	Wkly Avg	XXX	2/week	Composite
				30	45			24-Hr
TSS	275	412	XXX	Avg Mo	Wkly Avg	60	2/week	Composite
				Report				24-Hr
Total Dissolved Solids	XXX	XXX	XXX	Avg Qrtly	XXX	XXX	1/quarter	Composite
				200				
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	Geo Mean	XXX	1000	2/week	Grab
				Report				
E. Coli (No./100 ml)	XXX	XXX	XXX	Avg Mo	XXX	XXX	1/month	Grab
				Report				
UV Intensity (mW/cm²)	XXX	XXX	XXX	Avg Mo	XXX	XXX	1/day	Measured
				10.0		20.0		24-Hr
Total Nitrogen	91.8	XXX	XXX	Avg Mo	XXX	Daily Max	2/month	Composite

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

			Effluent L	imitations	Monitoring Requirements			
Parameter	Mass Units	(lbs/day) (1)		Concentrat	ions (mg/L)		Minimum (2)	Required
Farameter	Average	Weekly		Daily	Average	Instant.	Measurement	Sample
	Monthly	Average	Minimum	Maximum	Quarterly	Maximum	Frequency	Type
Ammonia				6.0				24-Hr
Nov 1 - Apr 30	55	XXX	XXX	Avg Mo	XXX	12	2/week	Composite
Ammonia				2.0				24-Hr
May 1 - Oct 31	18	XXX	XXX	Avg Mo	XXX	4	2/week	Composite
Total Phosphorus				2.0				24-Hr
Nov 1 - Mar 31	18	XXX	XXX	Avg Mo	XXX	4	2/week	Composite
Total Phosphorus				1.3				24-Hr
Apr 1 - Oct 31	12	XXX	XXX	Avg Mo	XXX	2.6	2/week	Composite
				Report	Report			24-Hr
Total Aluminum	XXX	XXX	XXX	Avg Qrtly	Daily Max	XXX	1/quarter	Composite
				Report				24-Hr
Total Cadmium	XXX	XXX	XXX	Avg Mo	XXX	XXX	1/month	Composite
		0.22		0.0153	0.0239			24-Hr
Total Copper	0.14	Daily Max	XXX	Avg Mo	Daily Max	0.0383	2/month	Composite
								24-Hr
Free Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Composite
								24-Hr
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Composite
		1.87		0.131	0.204			24-Hr
Total Zinc	1.2	Daily Max	XXX	Avg Mo	Daily Max	0.327	2/month	Composite
								4 Grabs/24
2,4-Dinitrophenol	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Hours
								4 Grabs/24
4,6-dinitro-o-cresol	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Hours
								4 Grabs/24
3,3-Dichloro-benzidine	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Hours
								4 Grabs/24
Benzidine	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Hours
								4 Grabs/24
Bis(2-Ethyl-hexyl)Phthalate	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Hours
								4 Grabs/24
Hexachloro-butadiene	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Hours
		0.42		0.023	0.046			24-Hr
Total Phenolics	0.21	Daily Max	XXX	Avg Mo	Daily Max	0.058	2/month	Composite
Chronic WET - Ceriodaphnia								24-Hr
Survival (TUc)	XXX	XXX	XXX	Report	XXX	XXX	See Permit	Composite

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

		Monitoring Requirements						
Parameter	Mass Units	(lbs/day) (1)		Concentrat	Minimum ⁽²⁾	Required		
Farameter	Average	Weekly		Daily	Average	Instant.	Measurement	Sample
	Monthly	Average	Minimum	Maximum	Quarterly	Maximum	Frequency	Type
Chronic WET - Ceriodaphnia								24-Hr
Reproduction (TUc)	XXX	XXX	XXX	Report	XXX	XXX	See Permit	Composite
Chronic WET - Pimephales								24-Hr
Survival (TUc)	XXX	XXX	XXX	Report	XXX	XXX	See Permit	Composite
Chronic WET - Pimephales								24-Hr
Growth (TUc)	XXX	XXX	XXX	Report	XXX	XXX	See Permit	Composite

Compliance Sampling Location: Outfall 001

Other Comments: Fecal Coliform DRBC 10% Rule.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 002, Effective Period: Permit Effective Date through Permit Expiration Date.

		Effluent Limitations										
Parameter	Mass Units	(lbs/day) (1)		Concentrat	Minimum ⁽²⁾	Required						
i arameter	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum	Measurement Frequency	Sample Type				
pH (S.U.)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
CBOD5	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
COD	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
TSS	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
Oil and Grease	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
TKN	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				
Dissolved Iron	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab				

Compliance Sampling Location: Outfall 002

Other Comments: None

Attachment A TMS



Toxics Management Spreadsheet Version 1.3, March 2021

Discharge Information

Instructions	Discharge Stream		
Facility:	Kennett Square WWTP	NPDES Permit No.: PA0024058	Outfall No.: 001
Evaluation T	ype: Major Sewage / Industrial Waste	Wastewater Description: Municipal	

Discharge Characteristics									
Design Flow Hardne	Hardness /mg/II+	рн (su)*	Partial Mix Factors (PMFs)				Complete Mix Times (min)		
(MGD)*	Hardness (mg/l)*		AFC	CFC	THH	CRL	Q ₇₋₁₀	Q _h	
1.1	100	7							

	Γ		O If led	blank	0.5 if is	ff blank	0 if left blank			1 if left blank			
	Discharge Pollutant	Units	Ma	x Discharge Cono	Trib Cono	Stream Cono	Dally CV	Hourly CV	Strea m CV	Fate Coeff	FOS		Chem Transi
	Total Dissolved Solids (PWS)	mg/L		660									
7	Chloride (PWS)	mg/L		155									
Group	Bromide	mg/L	٧	1									
ĕ	Sulfate (PWS)	mg/L		92.6									
-	Fluoride (PWS)	mg/L											
Г	Total Aluminum	µg/L		330									
	Total Antimony	µg/L	٧	1									
	Total Arsenic	µg/L	٧	0.2									
	Total Barium	µg/L		16									
	Total Beryllum	µg/L	٧	1									
	Total Boron	µg/L		200									
	Total Cadmium	µg/L	٧	0.2									
	Total Chromium (III)	µg/L	<	5									
	Hexavalent Chromium	µg/L	٧	0.12									
	Total Cobalt	µg/L		0.3									
	Total Copper	µg/L		240									
64	Free Cyanide	µg/L	<	4									
Group	Total Cyanide	µg/L	٧	4									
ĕ	Dissolved Iron	µg/L		40									
	Total Iron	µg/L		30									
	Total Lead	µg/L	٧	0.6									
	Total Manganese	µg/L		17									
	Total Mercury	µg/L	<	0.09									
	Total Nickel	µg/L		2.5									
	Total Phenois (Phenolics) (PWS)	µg/L		12									
	Total Selenium	µg/L		0.5									
	Total Silver	µg/L	٧	0.7									$\overline{}$
	Total Thailium	µg/L	<	0.2									
	Total Zinc	µg/L		73									
	Total Molybdenum	µg/L	٧	10									
\vdash	Acrolein	µg/L	<	1.8									
1	Acrylamide	µg/L	<										
	Acrylonitrile	µg/L	<	0.9									
1	Benzene	µg/L	<	0.1									
	Bromoform	µg/L	٧	0.4									

	Carbon Tetrachioride	PQ/L		0.2					
	Chlorobenzene	PQ/L	40	0.1					
	Chlorodibromomethene	pg/L	40	0.1					
	Chicroethane	pg/L	- 60	0.3					
	2-Chloroethyl Vinyl Ether	pg/L	40	1.2					
	Chloroform	pg/L		1.3					
	Dichlorobromomethane	ug/L		0.3					
			_						
	1,1-Dichloroethane	pg/L	4	0.3					
600	1,2-Dichloroethane	PQ/L	40	0.2					
g g	1,1-Dichloroethylene	PQ/L	40	0.3					
12	1,2-Dichloropropane	pg/L	40	0.2					
0	1,3-Dichloropropylene	pg/L	40	0.3					
	1,4-Dioxane	pg/L	40	59					
	Ethylbenzene	PQ/L	40	0.1					
	Methyl Bromide	pg/L	40	0.4					
	Methyl Chloride	µg/L	40	0.2					
	Methylene Chloride	ug/L		0.2					
			_						
	1,1,2,2-Tetrachioroethane	pg/L	*	0.1					
1	Tetrachioroethylene	pg/L	40	0.2					
1	Toluene	pg/L	40	0.1					
1	1,2-trans-Dichloroethylene	pg/L	40	0.2					
1	1,1,1-Trichioroethane	pg/L	40	0.2					
1	1,1,2-Trichloroethane	pg/L	46	0.2					
	Trichioroethylene	PQ/L	40	0.1					
1	Vinyl Chiloride	pg/L	40	0.3					
	2-Chlorophenol	µg/L	•	0.59					
	2,4-Dichlorophenol		-	0.47					
		pg/L							
	2,4-Dimethylphenol	pg/L	40	0.38					
	4,6-Dinitro-o-Cresol	pg/L	40	14					
7	2,4-Dinitrophenol	POP.	40	14					
di og	2-Nitrophenol	pg/L	40	0.58					
8	4-Nitrophenol	PQ/L	*	1.3					
	p-Chloro-m-Cresol	PQ/L	40	0.58					
	Pentachiorophenoi	PQ/L	- 6	7.8					
	Phenol	pg/L	40	4.5					
	2,4,6-Trichlorophenol	pg/L	40	0.63					
	Acenephthene		-	0.6					
		pg/L							
	Acenaphthylene	pg/L	*	0.6					
	Anthracene	PQ/L	40	0.45					
	Berzidine	PQ/L	40	85					
	Benzo(a)Anthracene	PQ/L	40	0.89					
1	Benzo(a)Pyrene	pg/L	40	0.49					
	3,4-Benzofluorenthene	pg/L	40	0.9					
	Benzo(ghi)Perylene	pg/L	40	0.64					
	Berzo(k)Fluorenthene	pg/L	40	0.81					
1	Bis(2-Chloroethoxy)Methane	pgt.		0.62					
1	Bis(2-Chloroethyl)Ether			0.82					
		pg/L							
1	Bis(2-Chloroisopropyl)Ether	pg/L	4	0.54					
1	Bis(2 Ethylhexyl)Phthalate	pg/L	40	58					
1	4-Bromophenyl Phenyl Ether	pg/L	40	0.58					
1	Butyl Berzyl Phthalate	pg/L	40	4.3					
1	2-Chloronaphthalene	pg/L	40	0.55					
1	4-Chlorophenyl Phenyl Ether	pg/L	40	0.58					
1	Chrysene	pg/L	40	0.75					
1	Diberzo(a.h)Anthrancene	pg/L	•	0.67					
1	1.2-Dichlorobenzene	pgt.	-	0.47					
1									
1	1,3-Dichlorobenzene	pg/L	*	0.45					
160	1,4-Dichlorobenzene	pg/L	40	0.58					
9	3,3-Dichlorobenzidine	PO/L	40	5.4					
3	Diethyl Phthalate	PQ/L	40	5.3					
0	Dimethyl Phthalate	pg/L	40	0.52					
	Di-n-Butyl Phthalate	µg/L	40	6.9					
1	2,4-Dinitrotoluene	pg/L	40	0.47					
		-							

2.5-Christopheride			_							
1.2. Light-anythydrautine		2,6-Dinitrotoluene	pg/L	•	0.58					
Fluorentene										
Purcence										
Hexachicrobardane										
Hexacoldonostoutadane										
Hexacrition-eyclopentacliene										
Passet indexect Page										
Indeno(1,2,3-od)Pyrene pgf. < 0.70			PQL.	40						
Sepherone		Hexachioroethane	µg/L	¥	0.57					
Nachthelene		Indeno(1,2,3-cd)Pyrene	PQ/L	¥	0.79					
Nitroberzene		Isophorone	pg/L	*	0.5					
P-Nitroed methylamine		Naphthalene	pg/L	40	0.55					
n-Nitrosod-n-Propylamine pgt. < 0.68		Nitrobenzene	PQL.	40	4.6					
Philipsod diphenylamina		n-Nitrosodimethylamine	pg/L	46	0.62					
Phenanthrene		n-Nitrosod-n-Propylamine	PQ/L	40	0.66					
Phenanthrene		n-Nitrosodiphenylamine	pg/L	40	1.1					
Pyrene				- 6	0.51					
1,2,4-Trichloroberszene		Pyrene		40	0.5					
Aldrin pgl.										
### ### ### ### #### #################										
beta-BHC pgt,										
germin-SHC pigf.										
delta BHC										
Chlordane 4,4-DDT 4,4-DDE 4,4-DDD Dieldrin dipha-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen beta-Endosuffen pgt. < Endosuffen Suffate Endosuffen Endosuffen Dipt. < Endosuffen Suffate Endosuffen Endosuffen Dipt. < Endosuffen Suffate Dipt. < Endosuffen Su										
4,4-DDT										
4,4-DDE										
### A-DDD										
Dieldrin pg/L										
### ### ##############################										
Deta-Endosulfen Digit. Commonwealth Digit. D										
Endourifen Suffate										
Endrin State pgt.										
Heptachlor pgl.	ŭ.									
Heptachlor pgl.	3									
Heptechlor Epoxide PGB-1018 PGB-1018 PGB-1221 PGB-1222 PGB-1232 PGB-1232 PGB-1242 PGB-1242 PGB-1248 PGB-1248 PGB-1254 PGB-1254 PGB-1254 PGB-1260 PG	Ġ.		pg/L	40						
PCB-1018 pgl. PCB-1221 pgl. PCB-1232 pgl. PCB-1242 pgl. PCB-1248 pgl. PCB-1254 pgl. PCB-1280 pgl. PCB, Total pgl. Toxaphene pgl. 2,3,7,8-TCDO ngl. Gross Alpha pCl/l. Total Beta pCl/l. Redium 226/228 pCl/l. Total Strontium pgl. Total Urenium pgl.				40						
PCB-1221		Heptachlor Epoxide	pg/L	*						
PCB-1232		PCB-1016	pg/L	40						
PCB-1242		PCB-1221	pg/L	40						
PCB-1248		PCB-1232	pg/L	4						
PCB-1248		PCB-1242	pg/L	40						
PCB-1254		PCB-1248		-						
PCB-1280 µg/L PCBa, Total µg/L Toxephene µg/L 2,3,7,8-TCDD ng/L Gross Alphe pCi/L Total Beta pCi/L Radium 226/228 pCi/L Total Strontium µg/L Total Urenium µg/L				4						
PCBs, Total µgL Toxephene µgL 2,3,7,8-TCDD ngL Gross Alphe pCiA. Total Beta pCiA. Radium 226/228 pCiA. Total Strontium µgL. Total Urenium µgL.										
Toxephene				40						
2,3,7,8-TCDD										
Gross Alpha pCi/L										
Total Beta pCI/L										
Redium 228/228 pCI/L										
Total Uranium µg/L <	Per On									
Total Uranium µg/L <	8	Testal Observations								
Total Oranical	ö									
				-						
		OWINGE PRESURE	muang							



Toxics Management Spreadtheet Version 1.3, March 2001

Stream / Surface Water Information

Kennett Square WWTP, NPDES Permit No. PA0024058, Outfall 001

Instructions Dischar	rge Stre	eam													
Receiving Surface Wa	iter Name:	West Brand	h Red C	lay Cree	k		No. Rea	ches to M	lodel:	1	-	tewide Criteri			
Location	Stream Cod	ie' RMI		vation (ft)"	DA (mf²)*	Slope (ft/ft)		Vithdrawa MGD)	Apply Criter		OR	SANCO Crite	eria		
Point of Discharge	000391	3.78	3	287	9.84				Ye	5					
End of Reach 1	000391	1.18	3	237	14				Ye	5					
Q7-10															
Location	RMI	LFY	_	low (cfs)		V/D Width		Velocit	Time	Tributa	_	Strea		Analy:	
Doint of Discharge	3.78	(cfs/mi ²)*	Stream	m Tri	butary R	atio (ft)	(ft)	y (fps)	(days)	Hardness	pH	Hardness*	pH"	Hardness	pH
Point of Discharge End of Reach 1	1.18	0.1	1.2	_		-	\vdash	-+				100	7		
Elia di Reacti I	1.10	0.1	1.51									100	- 1		
Q _h															
Location	RMI	LFY	F	low (cfs)) V	V/D Width	Depth	Velocit	Time	Tributa	ary	Strea	m	Analy:	sks
		(cfs/ml ²)	Stream	m Tri	butary R	atio (ft)	(ft)	y (fps)	(days)	Hardness	pH	Hardness	pН	Hardness	pН
Point of Discharge	3.78			_			\vdash								
End of Reach 1	1.18														
Hydrodynamics Wasteload Allocation		RETURN	ITO INPU	rts ,	SAVE AS	SPDF	PRI	NT ,	⊕ AI	O Inputs (○ Resu	its O Limi	ts		
✓ AFC		T (min): 3.	952	PMF	1	I Ana	lysis Hardi	ness (mg/l	1): 10	<u> </u>	nalysis p	pH: 7.00			
Pollutants		Conc	Stream CV	Trib Co		(ug/L)	WQ Ob (µg/L)	WLA (pgL)			Comments			
Total Dissolved Solid:		0	0		0	N/A	N/A	N/							
Chloride (PWS		0	0		0	N/A	N/A	N/	_						_
Sulfate (PWS) Total Aluminur		0	0		0	750	750	1,2							-
Total Antimore		0	Ö		ŏ	1,100	1,100	1,8							$\overline{}$
Total Arsenic		0	0		0	340	340	58			Chem T	ranslator of 1	applied		$\overline{}$
Total Barlum		0	0		0	21,000	21,000	_							\Box
Total Boron		0	0		0	8,100	8,100	13,8							_
Total Cadmiun Total Chromium		0	0		0	2.014 569.763	1.803	3,6				nsiator of 0.9 nsiator of 0.3			
Hexavalent Chron		0	0		ŏ	16	16.3	27.				nslator of 0.9			\longrightarrow
Total Cobalt		ō	ō		ŏ	95	95.0	15					or appro		$\overline{}$
Total Copper		0	0		0	13.439	14.0	23.	.9	(them Tro	anslator of 0.9	6 applie	d	\Box
Free Cyanide		0	0		0	22	22.0	37.	.5						\Box
Dissolved Iron	1	0	0		0	N/A	N/A	N/	_						
Total Iron		0	0		0	N/A	N/A	N/				nalator of 5 T	01	-	—
Total Lead Total Manganes		0	0		0	64.581 N/A	81.6 N/A	13 N/		C	nem Ira	nslator of 0.7	e i applie		$\overline{}$
Total Mercury		ő	Ö		ŏ	1,400	1.65	2.8		-	hem Tra	anslator of 0.8	5 applie	d	$\overline{}$
Total Nickel		0	0		0	468.236	469	80				nslator of 0.9			$\overline{}$
Total Phenois (Phenoile	(PW8)	0	0		0	N/A	N/A	N/	A						
Total Seleniun	п	0	0		0	N/A	N/A	N/				nslator of 0.9			
Total Silver		0	0		0	3.217	3.78	6.4	_	(them Tre	anslator of 0.8	5 applie	1	
Total Thaillun Total Zinc	1	0	0		0	65 117,180	65.0 120	20			harr To	nslator of 0.9	70 200	4	\longrightarrow
Acrolein		-	0		- i	3	3.0	51			memi ma	island of 0.5	, o applic		$\overline{}$

Acrylonitrie	0	0		0	650	650	1,108	
Benzene	0	0		0	640	640	1,091	
Bromoform	0	0		0	1,800	1,800	3,069	
Carbon Tetrachioride	ō	0		0	2,800	2,800	4,774	
Chlorobenzene	ŏ	ō		0	1,200	1,200	2.046	
Chlorodibromomethane	0	0		0	N/A	N/A	N/A	
2-Chloroethyl Vlrtyl Ether	0	0		0	18,000	18,000	30,693	
Chloroform	0	0		0	1,900	1,900	3,240	
Dichlorobromomethane	ō	0		0	N/A	N/A	N/A	
1,2-Dichloroethane					15,000	15,000	25,578	
	0	0		0				
1,1-Dichloroethylene	0	0		0	7,500	7,500	12,789	
1,2-Dichloropropane	0	0		0	11,000	11,000	18,757	
1,3-Dichloropropylene	0	0		0	310	310	529	
Ethylbenzene	0	0		0	2,900	2,900	4,945	
Methyl Bromide	0	0		0	550	550	938	
Methyl Chloride	0	0		0	28,000	28,000	47,745	
Methylene Chloride	0	0		0	12,000	12,000	20,462	
1,1,2,2-Tetrachioroethane	ō	0		0	1.000	1.000	1,705	
							-	
Tetrachioroethylene	0	0		0	700	700	1,194	
Toluene	0	0		0	1,700	1,700	2,899	
1,2-trans-Dichloroethylene	0	0		0	6,800	6,800	11,595	
1,1,1-Trichloroethane	0	0		0	3,000	3,000	5,116	
1,1,2-Trichloroethane	0	0		0	3,400	3,400	5,798	
Trichloroethylene	0	0		0	2,300	2,300	3,922	
Vinyl Chloride	0	0		0	N/A	N/A	N/A	
2-Chlorophenol	0	0		0	560	560	955	
2,4-Dichlorophenol	ŏ	ŏ		Ö	1,700	1,700	2,899	
					660	660		
2,4-Dimethylphenol	0	0		0			1,125	
4,6-Dinitro-o-Cresol	0	0		0	80	80.0	136	
2,4-Dinitrophenol	0	0		0	660	660	1,125	
2-Nitrophenol	0	0		0	8.000	8.000	13,641	
4-Nitrophenol	Ö	ŏ		Ö	2,300	2,300	3,922	
								
p-Chioro-m-Cresol	0	0		0	160	160	273	
Pentachiorophenol	0	0		0	8.723	8.72	14.9	
Phenoi	0	0		0	N/A	N/A	N/A	
2.4.6-Trichiorophenol	ō	0		0	460	460	784	
Acenaphthene	0	ö		0	83	83.0	142	
	_			_				
Anthracene	0	0		0	N/A	N/A	N/A	
Benzidine	0	0		0	300	300	512	
Benzo(a)Anthracene	0	0		0	0.5	0.5	0.85	
	0	0		0	N/A	N/A	N/A	
Benzo(a)Pyrene								
3,4-Benzofluoranthene	0	0		0	N/A	N/A	N/A	
Benzo(k)Fluoranthene	0	0		0	N/A	N/A	N/A	
Bis(2-Chloroethyl)Ether	0	0		0	30,000	30,000	51,155	
Bis(2-Chlorolsopropyl)Ether	0	0		0	N/A	N/A	N/A	
Bis(2-Ethylhexyl)Phthalate	0	0		0	4,500	4.500	7,673	
						270	450	
4-Bromophenyl Phenyl Ether	0	0		0	270			
Butyl Benzyl Shiftstate	0	0		0	140	140	239	
Butyl Benzyl Phthalate								
buly being Phelalic								
out ocali Filelate								
	0	0		I n	NIA	I N/A	N/A	I
2-Chioronaphthalene	0	0		0	N/A	N/A	N/A	
2-Chloronaphthalene Chrysene	0	0		0	N/A	N/A	N/A	
2-Chioronaphthalene Chrysene Dibenzo(a,h)Anthrancene	0	0		0	N/A N/A	N/A N/A	N/A N/A	
2-Chloronaphthalene Chrysene	0	0		0	N/A	N/A	N/A	
2-Chioronaphthalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichiorobenzene	0	0		0	N/A N/A 820	N/A N/A	N/A N/A 1,398	
2-Chioronaphibalene Chrysene Diberazo(a,h)Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene	0	0		0	N/A N/A 820 350	N/A N/A 820 350	N/A N/A 1,398 597	
2-Chloronaphthalene Chrysene Diberazo(a,h)Anthrancene 1,2-Dichloroberazene 1,3-Dichloroberazene 1,4-Dichloroberazene	0 0 0	0 0 0		0	N/A N/A 820 350 730	N/A N/A 820 350 730	N/A N/A 1,398 597 1,245	
2-Chioronaphibalene Chrysene Dibenzo(a,h)Aribrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzelne	0 0 0	0 0 0 0 0 0 0		0 0 0	N/A N/A 820 350 730 N/A	N/A N/A 820 350 730 N/A	N/A N/A 1,398 597 1,245 N/A	
2-Chioronaphibalene Chrysene Dibenzo(Lhiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phibalate	0 0 0 0 0 0 0 0 0	0 0 0 0 0		0	N/A N/A 820 350 730 N/A 4,000	N/A N/A 820 350 730 N/A 4,000	N/A N/A 1,398 597 1,245 N/A 6,821	
2-Chloronaphthalene Chrysene Dibenzo(a,h)/nthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phthalate Dimetryl Phthalate	0 0 0	0 0 0 0 0 0 0		0 0 0	N/A N/A 820 350 730 N/A	N/A N/A 820 350 730 N/A	N/A N/A 1,398 597 1,245 N/A	
2-Chloronaphthalene Chrysene Dibenzo(a,h)/nthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phthalate Dimetryl Phthalate	0 0 0 0 0 0 0 0 0	0 0 0 0 0		0	N/A N/A 820 350 730 N/A 4,000	N/A N/A 820 350 730 N/A 4,000	N/A N/A 1,398 597 1,245 N/A 6,821	
2-Chioronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phihalate Dimethyl Phihalate Dim-Butyl Phihalate Dim-Butyl Phihalate	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0	N/A N/A 820 350 730 N/A 4,000 2,500	N/A N/A 820 350 730 N/A 4,000 2,500	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188	
2-Chloronaphitalene Chrysene Dibenzol, julynthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene Dichlorobenzene Dichlorobenzene Diethyl Phthalate Dimetryl Phthalate Di-n-Bulyl Phthalate 2,4-Dintrobluene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728	
2-Chioronaphthalene Chrysene Diberazo(a,h)/Anthrancene 1,2-Dichloroberazene 1,3-Dichloroberazene 3,3-Olchloroberazene 3,3-Olchloroberazene Diethyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 1,888 2,728 1,688	
2-Chioronaphihalene Chrysene Dibenzola,hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phihalate Dimethyl Phihalate Dimethyl Phihalate Di-Butyl Phihalate 2,4-Dinitroboluene 1,2-Diphenylhydrazine	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	N/A N/A 820 350 730 N/A 4,000 2,500 1,600 990 15	NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15.0	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 1,88 2,728 1,688 25.6	
2-Chioronaphthalene Chrysene Diberazo(a,h)/Anthrancene 1,2-Dichloroberazene 1,3-Dichloroberazene 3,3-Olchloroberazene 3,3-Olchloroberazene Diethyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 1,888 2,728 1,688	
2-Chioronaphihalene Chrysene Dibenzola,hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phihalate Dimethyl Phihalate Dimethyl Phihalate Di-Butyl Phihalate 2,4-Dinitroboluene 1,2-Diphenylhydrazine	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	N/A N/A 820 350 730 N/A 4,000 2,500 1,600 990 15	NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15.0	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 1,88 2,728 1,688 25.6	
2-Chioronaphibalene Chrysene Diberazo, Johnibrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phthalate Dimetryl Phthalate Dim-Bulyl Phthalate 2,4-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluorene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990 15 200 N/A	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990 15.0 200 N/A	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728 1,688 2,728 1,688 25,6 341 N/A	
2-Chioronaphihalene Chrysene Dibenzola,hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phihalate Dimethyl Phihalate Dimethyl Phihalate Di-Butyl Phihalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluorene Hexachlorobenzene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	NIA NIA 820 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA NIA	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,600 990 15.0 200 N/A N/A	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728 1,688 25.6 341 N/A N/A	
2-Chloronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 0,3-Dichlorobenzene Diethyl Phthalate Dimetryl Phthalate Di-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydrazie Fluoranihene Fluoranihene Hexachlorobenzene Hexachlorobutadiene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 15 200 NIA NIA 10	N/A N/A N/A S20 350 730 N/A 4,000 2,500 110 1,500 990 15.0 200 N/A N/A 10.0	N/A N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728 1,688 2,728 341 N/A N/A 17.1	
2-Chioronaphihalene Chysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Olchlorobenzene 3,3-Olchlorobenzene Diethyl Phthalate Dimetryl Phthalate Dimetryl Phthalate 2,4-Dinitrotoluene 1,2-Diphorobenzene 1,2-Diphorobenzene Huszachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA 820 730 NIA 4,000 110 1,600 990 15 200 NIA NIA NIA 10 5	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,500 990 15.0 200 N/A N/A	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728 1,688 25,6 341 N/A N/A N/A N/A 17.1 8.53	
2-Chloronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 0,3-Dichlorobenzene Diethyl Phthalate Dimetryl Phthalate Di-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydrazie Fluoranihene Fluoranihene Hexachlorobenzene Hexachlorobutadiene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 15 200 NIA NIA 10	N/A N/A N/A S20 350 730 N/A 4,000 2,500 110 1,500 990 15.0 200 N/A N/A 10.0	N/A N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728 1,688 2,728 341 N/A N/A 17.1	
2-Chioronaphihalene Chysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Olchlorobenzene 3,3-Olchlorobenzene Diethyl Phthalate Dimetryl Phthalate Dimetryl Phthalate 2,4-Dinitrotoluene 1,2-Diphorobenzene 1,2-Diphorobenzene Huszachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA 820 730 NIA 4,000 110 1,600 990 15 200 NIA NIA NIA 10 5	N/A N/A 820 350 730 N/A 4,000 2,500 110 1,500 990 15.0 200 N/A N/A	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 188 2,728 1,688 25,6 341 N/A N/A N/A N/A 17.1 8.53	
2-Chloronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobutadiene Hexachlorobutadiene Hexachlorobutadiene Hexachlorobutadiene Indeno(1,2,3-cd)/Pyrene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA NIA NIA 10 5 60 NIA	NI/A NI/A 820 350 730 NI/A 4,000 2,500 990 11.0 15.0 200 NI/A NI/A NI/A NI/A NI/A NI/A NI/A	NIA NIA 1,338 597 1,245 NIA 6,821 4,263 1,888 2,728 1,588 25,5 341 NIA NIA NIA 17.1 8,53 102 NIA	
2-Chioronaphihalene Chysene Dibenzo(a,)/i/Antivancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Olchlorobenzene 3,3-Olchlorobenzene Diethyl Phthalate Dimetyl Phthalate Dimetyl Phthalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno(1,2,3-cd)/Pyrene Isophorone	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA NIA NIA 10,000	NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,600 990 15.0 200 NI/A NI/A 10,000	NIA NIA 1,398 597 1,245 NIA 6,821 4,263 188 25,728 1,598 25,6 341 NIA NIA NIA 17,1 8,53 102 NIA 17,052	
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Di-Butyl Phibalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachiorobenzene Hexachiorobenzene Hexachiorocyclopentadiene Hexachiorocyclopentadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0			NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA 10 5 60 NIA 10,000 10,000 110 110 110 110 110 110 1	NI/A NI/A 820 350 730 NI/A 4,000 2,500 990 110 15.0 200 NI/A 10.0 5.0 NI/A 10.0 5.0 NI/A 10.0 110 15.0 15.0 10.0 10.0 10.0 10.0	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 1,688 2,728 1,688 2,728 1,688 25,6 341 N/A 17.1 8,53 102 N/A 17.2 102 N/A 17.3	
2-Chloronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate 2,4-Dinitrotoliuene 2,6-Dinitrotoliuene 1,2-Diphenylhydrazine Fluoranithene Fluoranithene Hexachlorobenzene Hexachlorobutadiene Hexachlorobutadiene Hexachlorobutadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrobenzene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA NIA NIA 10 5 60 NIA 10,000 140 4,000	NI/A NI/A 820 350 730 NI/A 4,000 2,500 990 11.0 15.0 200 NI/A NI/A 10.0 5.0 NI/A 10.0 14.0 NI/A	NIA NIA 1,338 597 1,245 NIA 6,821 4,263 1,888 2,728 1,588 25,5 341 NIA NIA NIA 17.1 8,53 102 NIA 17.0 8,53 103 104 105 105 105 105 105 105 105 105 105 105	
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Di-Butyl Phibalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachiorobenzene Hexachiorobenzene Hexachiorocyclopentadiene Hexachiorocyclopentadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0			NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA 10 5 60 NIA 10,000 10,000 110 110 110 110 110 110 1	NI/A NI/A 820 350 730 NI/A 4,000 2,500 990 110 15.0 200 NI/A 10.0 5.0 NI/A 10.0 5.0 NI/A 10.0 110 15.0 15.0 10.0 10.0 10.0 10.0	N/A N/A 1,398 597 1,245 N/A 6,821 4,263 1,688 2,728 1,688 2,728 1,688 25,6 341 N/A 17.1 8,53 102 N/A 17.2 102 N/A 17.3	
2-Chloronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate 2,4-Dinitrotoliuene 2,6-Dinitrotoliuene 1,2-Diphenylhydrazine Fluoranithene Fluoranithene Hexachlorobenzene Hexachlorobutadiene Hexachlorobutadiene Hexachlorobutadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrobenzene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA NIA NIA 10 5 60 NIA 10,000 140 4,000	NI/A NI/A 820 350 730 NI/A 4,000 2,500 990 11.0 15.0 200 NI/A NI/A 10.0 5.0 NI/A 10.0 14.0 NI/A	NIA NIA 1,338 597 1,245 NIA 6,821 4,263 1,888 2,728 1,588 25,5 341 NIA NIA NIA 17.1 8,53 102 NIA 17.0 8,53 103 104 105 105 105 105 105 105 105 105 105 105	
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 0,4-Dinibrobenzene 1,2-Dinibrobiusene 2,6-Dinibrobiusene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrobodimathylamine n-Nitrosodim-Propylamine	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NI/A NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 5 60 NIA 10,000 140 10,000 17,000 17,000 NIA	NI/A NI/A 820 350 730 NI/A 4,000 2,500 990 110 15.0 200 NI/A 10.0 5.0 NI/A 10.0 NI/A 10.0 NI/A 10.0 NI/A 10.0 NI/A 10.0 NI/A 10.0 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	NVA NVA 1,398 597 1,245 NVA 6,821 4,263 1,688 2,728 1,688 2,728 1,688 2,728 1,688 1,71 1,71 8,53 102 NVA 17,1 8,53 102 NVA 17,1 8,53 102 NVA 17,25 17,	
2-Chloronaphihalene Chrysene Dibenzo(a,h)Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 0,7-Dichlorobenzene 1,3-Dichlorobenzene 1,2-Dintrotoluene 2,6-Dintrotoluene 1,2-Diphenythydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobutadiene Hexachlorob	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA NIA 10 5 60 NIA 10,000 14,000 17,000 NIA 300	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 15.0 200 NI/A NI/A 10.0 5.0 NI/A 10,000 140 4,000 17,000 NI/A 4,000 17,000 NI/A 300	NIA NIA 1,338 597 1,245 NIA 6,821 4,263 1,888 2,728 1,588 25,5 341 NIA NIA NIA 17.1 8,53 102 NIA 17.0 8,53 102 NIA 17.0 8,53 103 104 105 105 105 105 105 105 105 105 105 105	
2-Chioronaphihalene Chysene Dibenzola, ni/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Oichiorobenzene 3,3-Oichiorobenzene 3,3-Oichiorobenzene 0,3-Dichiorobenzene 1,2-Dinthotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranitiene Fluoranitiene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Newschiorocyclopentadiene Hexachiorocyclopentadiene Hexachiorocyclopent	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 15 200 NIA NIA 10,000 14,000 14,000 17,000 NIA 300 17,000 NIA 300 300 300 300 300 300 300 300 300 30	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 15.0 NI/A NI/A 10,000 1400 17,000 NI/A 300 5.0	NIA NIA 1,398 597 1,245 NIA 6,821 4,263 1,698 2,728 1,698 25,6 341 NIA NIA NIA 17,1 8,53 102 2,988 NIA 17,052 2,988 NIA 17,052 2,988 NIA 1,053 1	
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 1,2-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Phenanthrene Pyrene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NI/A NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA 10 5 60 NIA 10,00 140 140 140 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 NI/A 10,00 NI/A	NVA NVA 1,398 597 1,245 NVA 6,821 4,263 1,888 2,728 1,688 2,728 1,688 2,728 1,688 1,728 1,	
2-Chioronaphihalene Chysene Dibenzola, ni/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Oichiorobenzene 3,3-Oichiorobenzene 3,3-Oichiorobenzene 0,3-Dichiorobenzene 1,2-Dinthotoluene 2,6-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranitiene Fluoranitiene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Newschiorocyclopentadiene Hexachiorocyclopentadiene Hexachiorocyclopent	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 15 200 NIA NIA 10,000 14,000 14,000 17,000 NIA 300 17,000 NIA 300 300 300 300 300 300 300 300 300 30	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 15.0 NI/A NI/A 10,000 1400 17,000 NI/A 300 5.0	NIA NIA 1,398 597 1,245 NIA 6,821 4,263 1,698 2,728 1,698 25,6 341 NIA NIA NIA 17,1 8,53 102 2,988 NIA 17,052 2,988 NIA 17,052 2,988 NIA 1,053 1	
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 1,2-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Phenanthrene Pyrene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				NI/A NIA 820 350 730 NIA 4,000 2,500 990 110 1,600 990 NIA 10 5 60 NIA 10,00 140 140 140 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 NI/A 10,00 NI/A	NVA NVA 1,398 597 1,245 NVA 6,821 4,263 1,888 2,728 1,688 2,728 1,688 2,728 1,688 1,728 1,	
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2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 1,2-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Nexachlorocyclopentadiene Nexachlorocyclopentadiene n-Nitrosodinephorone Naphthalene Nitrobenzene n-Nitrosodin-Propylamine n-Nitrosodin-Propylamine Pyrene 1,2,4-Trichlorobenzene 1,2,4-Trichlorobenzene 1 CFC CC Pollutants Total Dissolved Solids (PWS) Cchioride (PWS) Sutfate (PWS) Total Alumirum	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 5 60 NIA 10,000 140 4,000 17,000 17,000 NIA 130 WOC (ugl.) NIA NIA NIA NIA NIA NIA NIA	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 115.0 200 NI/A 10.00 10.00 140 4,000 17,000 140 4,000 17,000 NI/A 130 S,0 NI/A 130 S,0 NI/A 130 NI/A 130 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	NI/A NI/A NI/A 1,398 597 1,245 NI/A 6,821 4,263 1,888 2,728 1,688 25,6 341 NI/A 17.1 8.53 102 NI/A 17.2 8.53 102 NI/A 17.1 8.53 NI/A 17.1 8.53 NI/A 17.1 8.53 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	
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2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 1,2-Dinitrotoluene 1,2-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Hexachlorocyclopentadiene Nexachlorocyclopentadiene Nexachlorocyclopentadiene n-Nitrosodinephorone Naphthalene Nitrobenzene n-Nitrosodin-Propylamine n-Nitrosodin-Propylamine Pyrene 1,2,4-Trichlorobenzene 1,2,4-Trichlorobenzene 1 CFC CC Pollutants Total Dissolved Solids (PWS) Cchioride (PWS) Sutfate (PWS) Total Alumirum	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 5 60 NIA 10,000 140 4,000 17,000 17,000 NIA 130 WOC (ugl.) NIA NIA NIA NIA NIA NIA NIA	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 115.0 200 NI/A 10.00 10.00 140 4,000 17,000 140 4,000 17,000 NI/A 130 S,0 NI/A 130 S,0 NI/A 130 NI/A 130 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	NI/A NI/A NI/A 1,398 597 1,245 NI/A 6,821 4,263 1,888 2,728 1,688 25,6 341 NI/A 17.1 8.53 102 NI/A 17.2 8.53 102 NI/A 17.1 8.53 NI/A 17.1 8.53 NI/A 17.1 8.53 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	
2-Chioronaphihalene Chrysene Dibezola, hi/Anthrancene 1,2-Dichioroberazene 1,3-Dichioroberazene 1,3-Dichioroberazene 1,3-Dichioroberazene 3,3-Dichioroberazene 3,3-Dichioroberazene 3,3-Dichioroberazene Diethyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate Din-Butyl Phthalate 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachioroberazene Hexachioroberazene Hexachioroberazene Hexachioroberazene Hexachioroberazene Hexachioroberazene Naphthalene Naphthalene Naphthalene Nitroberazene n-Nitrosodin-Propylamine n-Nitrosodin-Propylamine n-Nitrosodin-Propylamine Phenanthrene Pyrene 1,2,4-Trichioroberazene I CFC CC Pollutants Total Dissolved Solids (PWS) Chioride (PWS) Total Aluminum Total Arsenic	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 15 200 NIA 10 5 60 NIA 10,000 140 4,000 17,000 NIA 130 Ans VOCC (ugl.) NIA	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 15.0 200 NI/A 10.00 140 17,000 NI/A 300 NI/A 130 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	NI/A NI/A NI/A 1,398 597 1,245 NI/A 4,263 188 2,728 1,598 2,728 1,598 25.6 341 NI/A 17.7 18.53 102 NI/A 17.052 239 6,821 28,988 NI/A 512 NI/A 17.052 28,988 NI/A 512 8,988 NI/A 512 8,	Comments
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2-Chloronaphibalene Chrysene Dibenzola, h/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Indeno(1,2,3-cd/Pyrene Isophorone Naphthalene Nitrobenzene n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Phenanthrene Pyrene 1,2,4-Trichlorobenzene I CFC CC Pollutants Total Dissolved Solids (PWS) Chloride (PWS) Sulfate (PWS) Total Auminum Total Antimony Total Ansenic Total Barlum Total Boron	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 10 5 60 NIA 10,000 144 4,000 17,000 130 00 5 NIA 130	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,600 990 115,0 200 NI/A 10,00 110 15,0 00 NI/A 10,00 NI/A 10,00 140 00 17,000 NI/A 130 130 130 130 130 130 130 130 130 130	NI/A NI/A NI/A 1,338 597 1,245 NI/A 6,821 4,263 1,888 2,728 1,688 25,6 341 NI/A 17,1 8,53 102 NI/A 17,05 239 6,821 28,988 NI/A 512 8,53 NI/A 222 95 (mg/l): WLA (µg/L) NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	Comments Chem Translator of 1 applied
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 2,4-Dinitrobiuene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorocyclopentadiene Hexachiorocyclopentadiene Hexachiorocyclopentadiene Hexachiorocyclopentadiene Nexachiorocyclopentadiene Hexachiorocyclopentadiene Hexachiorocyclopentadiene Nitrobenzene Naphthalene Nitrobenzene n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Phenanthrene Pyrene 1,2,4-Trichiorobenzene Z CFC CC Poliutants Total Dissolved Solids (PWS) Chioride (PWS) Sutfate (PWS) Total Aluminum Total Antimony Total Antimony Total Antimony Total Antimony Total Antimony	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 990 110 1,500 990 NIA 10 15 200 NIA 10 10 10 10 10 10 10 10 10 10 10 10 10	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 11,600 990 NI/A 10,000 NI/A 10,000 NI/A 10,000 NI/A 10,000 NI/A 10,000 NI/A 10,000 NI/A 130 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	NI/A NI/A NI/A 1,398 597 1,245 NI/A 4,263 188 2,728 1,598 2,728 1,598 341 NI/A 17,31 102 NI/A 17,052 239 6,821 28,988 NI/A 512 8,538 NI/A 512	Comments
2-Chloronaphibalene Chrysene Dibenzola, h/Anthrancene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene 3,3-Dichlorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Fluoranthene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Hexachlorobenzene Indeno(1,2,3-cd/Pyrene Isophorone Naphthalene Nitrobenzene n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Phenanthrene Pyrene 1,2,4-Trichlorobenzene I CFC CC Pollutants Total Dissolved Solids (PWS) Chloride (PWS) Sulfate (PWS) Total Auminum Total Antimony Total Ansenic Total Barlum Total Boron	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 10 5 60 NIA 10,000 144 4,000 17,000 130 00 5 NIA 130	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,600 990 115,0 200 NI/A 10,00 110 15,0 00 NI/A 10,00 NI/A 10,00 140 00 17,000 NI/A 130 130 130 130 130 130 130 130 130 130	NI/A NI/A NI/A 1,338 597 1,245 NI/A 6,821 4,263 1,888 2,728 1,688 25,6 341 NI/A 17,1 8,53 102 NI/A 17,05 239 6,821 28,988 NI/A 512 8,53 NI/A 222 95 (mg/l): WLA (µg/L) NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	Comments Chem Translator of 1 applied
2-Chioronaphihalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate 1,2-Dinitrobolusene 1,2-Dinitrobolusene 1,2-Dinitrobolusene Hexachiorobenzene Hexachiorobufadiene Hexachiorobufadiene Hexachiorobufadiene Hexachiorobufadiene Naphthalene Nitrobenzene Naphthalene Nitrobenzene n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Pyrene 1,2,4-Trichiorobenzene 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 10 5 60 NIA 10,400 14,000 17,000 NIA 130 NIA 130 NIA NIA NIA NIA NIA NIA NIA NIA NIA NI	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 NIA 10,000 NIA 10,000 NIA 10,000 NIA 10,000 NIA 130 NIA	NI/A NI/A NI/A 1,398 597 1,245 NI/A 4,263 188 2,728 1,598 2,728 1,598 341 NI/A 17,31 102 NI/A 17,052 239 6,821 28,988 NI/A 512 8,538 NI/A 512	Chem Translator of 1 applied Chem Translator of 0,909 applied Chem Translator of 0,86 applied
2-Chioronaphibalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate Dimethyl Phibalate 2,4-Dinitrotoluene 1,2-Diphenylhydrazine Fluoranthene Fluoranthene Fluoranthene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Indeno(1,2,3-cd)Pyrene Isophorone Naphibalene Nitrobenzene n-Nitrosodimethylamine n-Nitrosodimethylamine phenaphirene 1,2,4-Trichiorobenzene Z CFC CC Poliutants Total Dissolved Solids (PWS) Chioride (PWS) Sulfate (PWS) Total Aluminum Total Antimony Total Antimony Total Assenic Total Boron Total Chromium (III) Hexavalent Chromium	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 10 5 60 NIA 10,000 140 0,000 140 0,000 140 0,000 140 0,000 17,000 NIA NIA 130 WOC (upl.) NIA	NI/A NI/A NI/A 820 350 730 NI/A 4,000 2,500 110 1,500 990 115,0 200 NI/A 10,00 15,0 10,00 140 10,00 140 11,000 17,000 140 10,000 17,000 NI/A 130 10,000 140 10,000 17,000 NI/A 130 10,000 17,000 14,000 17,000 18,00	NI/A NI/A NI/A 1,398 597 1,245 NI/A 6,821 4,263 1,888 2,728 1,588 25,6 341 NI/A 17.1 8.53 102 NI/A 17.052 15,821 28,988 NI/A 512 8,53 NI/A 512 8,53 NI/A 512 8,53 NI/A 17.1 NI/A NI/A NI/A NI/A NI/A NI/A NI/A NI/A	Comments Chem Translator of 1 appiled Chem Translator of 0.909 appiled
2-Chioronaphihalene Chrysene Dibenzola, hi/Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene Diethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate 1,2-Dinitrobolusene 1,2-Dinitrobolusene 1,2-Dinitrobolusene Hexachiorobenzene Hexachiorobufadiene Hexachiorobufadiene Hexachiorobufadiene Hexachiorobufadiene Naphthalene Nitrobenzene Naphthalene Nitrobenzene n-Nitrosodimethylamine n-Nitrosodimethylamine n-Nitrosodimethylamine Pyrene 1,2,4-Trichiorobenzene 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Trib Conc	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,600 990 15 200 NIA 10 10 5 60 NIA 10,400 14,000 17,000 NIA 130 NIA 130 NIA NIA NIA NIA NIA NIA NIA NIA NIA NI	NIA NIA NIA 820 350 730 NIA 4,000 2,500 110 1,500 990 NIA 10,000 NIA 10,000 NIA 10,000 NIA 10,000 NIA 130 NIA	NI/A NI/A NI/A 1,398 597 1,245 NI/A 6,821 4,263 1,588 2,728 1,588 25,5 341 NI/A 17.1 8,53 102 NI/A 17.2 8,53 102 NI/A 17.2 8,53 NI/A 17.3 8,53 NI/A 17.4 8,53 NI/A 17.4 8,53 NI/A 17.4 8,53 NI/A 17.5 8,53 NI/A 17.2 18,53 NI/A 18,51 18	Chem Translator of 1 applied Chem Translator of 0,909 applied Chem Translator of 0,86 applied

Free Cyanide	0	0	0	5.2	5.2	8.87	
Dissolved Iron	0	0	0	N/A	N/A	N/A	
Total Iron	0	0	0	1,500	1.500	2.558	WOOD - 20 day average: DME - 1
							WQC = 30 day average; PMF = 1
Total Lead	0	0	0	2.517	3.18	5.43	Chem Translator of 0.791 applied
Total Manganese	0	0	0	N/A	N/A	N/A	
Total Mercury	0	0	0	0.770	0.91	1.54	Chem Translator of 0.85 applied
Total Nickel	0	0	0	52.007	52.2	88.9	Chem Translator of 0.997 applied
Total Phenois (Phenoiles) (PW8)	0	0	0	N/A	N/A	N/A	
Total Selenium	0	0	0	4.600	4.99	8.51	Chem Translator of 0.922 applied
Total Silver	0	0	0	N/A	N/A	N/A	Chem Translator of 1 applied
Total Thallium	0	0	0	13	13.D	22.2	
Total Zinc	0	0	0	118.139	120	204	Chem Translator of 0.986 applied
Acrolein	0	0	0	3	3.0	5.12	
Acrylonitrie	0	0	0	130	130	222	
Benzene	0	0	0	130	130	222	
Bromoform	0	0	0	370	370	631	
				560	560	955	
Carbon Tetrachloride	0	0	0				
Chlorobenzene	0	0	0	240	240	409	
Chlorodibromomethane	0	0	0	N/A	N/A	N/A	
				3,500	3.500	5.968	
2-Chloroethyl Vinyl Ether	0	0	0				
Chloroform	0	0	0	390	390	665	
Dichlorobromomethane	0	0	0	N/A	N/A	N/A	
1,2-Dichloroethane	0	0	0	3,100	3,100	5,286	
				,	_		
1,1-Dichloroethylene	0	0	0	1,500	1,500	2,558	
1,2-Dichloropropane	0	0	0	2.200	2,200	3,751	
	$\overline{}$						
1,3-Dichloropropylene	0	0	0	61	61.0	104	
Ethylbenzene	0	0	0	580	580	989	
Methyl Bromide	0	0	0	110	110	188	
Methyl Chloride	0	0	0	5,500	5,500	9,378	
Methylene Chloride	0	0	0	2,400	2,400	4,092	
1,1,2,2-Tetrachloroethane	0	0	0	210	210	358	
	0	Ö	ū	140	140	239	
Tetrachioroethylene							
Toluene	0	0	0	330	330	563	
1,2-trans-Dichloroethylene	0	0	0	1,400	1,400	2,387	
	-	-		_	_	_	
1,1,1-Trichloroethane	0	0	0	610	610	1,040	
1,1,2-Trichloroethane	0	0	0	680	680	1,160	
Trichioroethylene	0	0	0	450	450	767	
Vinyl Chloride	0	0	0	N/A	NA	N/A	
2-Chlorophenol	0	0	0	110	110	188	
				340	340	580	
2,4-Dichlorophenol	0	0	0				
2,4-Dimethylphenol	0	0	0	130	130	222	
4,6-Dinitro-o-Cresol	0	0	0	16	16.D	27.3	
		0		130	130	222	
2,4-Dinitrophenol	0		0				
2-Nitrophenol	0	0	0	1,600	1,600	2,728	
4-Ntrophenol	0	0	0	470	470	801	
- magnetie		-			7.0		
a Oblam or Omesi				500	500	053	
p-Chloro-m-Cresol	0	0	0	500	500	853	
p-Chloro-m-Cresol Pentachlorophenol	0	0	0	500 6.693	500 6.69	853 11.4	
Pentachiorophenol	0	0	0	6.693	6.69	11.4	
Pentachiorophenoi Phenoi	0	0	0	6.693 N/A	6.69 N/A	11.4 N/A	
Pentachiorophenoi Phenoi 2,4,6-Trichiorophenoi	0	0	0	6.693 N/A 91	6.69 N/A 91.0	11.4 N/A 155	
Pentachiorophenoi Phenoi	0	0	0	6.693 N/A	6.69 N/A	11.4 N/A	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene	0	0	0	6.693 N/A 91 17	6.69 N/A 91.0 17.0	11.4 N/A 155 29.0	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphibene Anthracene	0	0	0	6.593 N/A 91 17 N/A	6.69 N/A 91.0 17.0 N/A	11.4 N/A 155 29.0 N/A	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene	0 0 0	0	0 0 0	6.693 N/A 91 17	6.69 N/A 91.0 17.0 N/A 59.0	11.4 N/A 155 29.0 N/A 101	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphibene Anthracene	0	0	0	6.593 N/A 91 17 N/A	6.69 N/A 91.0 17.0 N/A	11.4 N/A 155 29.0 N/A	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzola)Anthracene	0	0	0 0 0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1	6.69 N/A 91.0 17.0 N/A 59.0 0.1	11.4 N/A 155 29.0 N/A 101 0.17	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphthene Anthracene Benzidine Benzo(a)Anthracene Benzo(a)Pyrene	0	0	0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1 N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphibene Anthracene Benzidine Benzo(s)Anthracene Benzo(s)Pyrene 3,4-Benzofuoranthene	0	0	0 0 0 0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphthene Anthracene Benzidine Benzo(a)Anthracene Benzo(a)Pyrene	0	0	0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1 N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphibene Anthracene Benzidine Benziola/Anthracene Benziola/Pyrene 3,4-Benziofuoranthene Benzio(k)/Fluoranthene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphthene Anthracene Benzidine Benzidine Benzio(a)Pyrene 3,4-Benzio(fuoranthene Benzio(x)Fluoranthene Bis(2-Chioroethyl)Ether	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A 6,000	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231	
Pentachlorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzo(a)Anthracene Benzo(a)Pyrene 3,4-Benzofluoranthene Bls(2-Chloroethyf)Ether Bls(2-Chloroethyf)Ether	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000 N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231 N/A	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphthene Anthracene Benzidine Benzidine Benzio(a)Pyrene 3,4-Benzio(fuoranthene Benzio(x)Fluoranthene Bis(2-Chioroethyl)Ether	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A 6,000	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphibene Anthracene Benzidine Berazo(a)Anthracene Benzo(a)Pyrene 3,4-Benzofiuoranthene Benzo(k)Fluoranthene Bis(2-Chioroisopropyi)Ether Bis(2-Chioroisopropyi)Ether	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A N/A 910	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000 N/A 910	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A N/A 10,231 N/A 1,552	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzoline Benzola)Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzofluoranthene Benzol()(Fluoranthene Bis(2-Chioroethyl)(Ether Bis(2-Ethylesy)(Phitaliste 4-Bromophenyl Phenyl Ether	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A N/A 6,000 N/A 910 54.0	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231 N/A	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphibene Anthracene Benzidine Berazo(a)Anthracene Benzo(a)Pyrene 3,4-Benzo(fuoranthene Benzo(k)Fluoranthene Bis(2-Chioroethyl)Ether Bis(2-Chioroethyl)Ether Bis(2-Ethylhenyl)Phibalate 4-Bromophenyl Phenyl Ether Butyl Benzyl Phibalate	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A N/A 910	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000 N/A 910	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A N/A 10,231 N/A 1,552	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzoline Benzola)Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzofluoranthene Benzol()(Fluoranthene Bis(2-Chioroethyl)(Ether Bis(2-Ethylesy)(Phitaliste 4-Bromophenyl Phenyl Ether	0	0	0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A 0,000 N/A 910	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A N/A 6,000 N/A 910 54.0	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231 N/A 1,552	
Pentachlorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzo(a)Anthracene Benzo(a)Pyrene 3,4-Benzofluoranthene Bis/2-Chioroethy/(Ether Bis/2-Chioroethy/(Ether Bis/2-Ethylheay/(Phthalate 4-Bromopheny/ Pheny/ Ether Butyl Benzy/ Phthalate 2-Chioronaphthalene	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A 910 54 35 N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A 6,000 N/A 910 54.0 35.0 N/A	11.4 NIA NIA 155 29.0 NIA 101 NIA NIA NIA 10,231 NIA 1,552 92.1 NIA	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzoline Benzola/Anthracene Benzola/Anthracene Benzola/Anthracene Benzola/Pyrene 3,4-Benzofluoranthene Beszo(K)Fluoranthene Bis(2-Chioroethy/)Ether Bis(2-Ethylesy)Phthalate 4-Bromophenyl Phenyl Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chrysene	0	0		6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A 0.00 N/A 910 54 35 N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000 N/A 910 54.0 N/A N/A N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,23 10,23 1,552 92.1 59.7 N/A N/A	
Pentachlorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzo(a)Anthracene Benzo(a)Pyrene 3,4-Benzofluoranthene Bis/2-Chioroethy/(Ether Bis/2-Chioroethy/(Ether Bis/2-Ethylheay/(Phthalate 4-Bromopheny/ Pheny/ Ether Butyl Benzy/ Phthalate 2-Chioronaphthalene	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A N/A 910 54 35 N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A 6,000 N/A 910 54.0 35.0 N/A	11.4 NIA NIA 155 29.0 NIA 101 NIA NIA NIA 10,231 NIA 1,552 92.1 NIA	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzolai/Pyrene 3,4-Benzolai/Pyrene 3,4-Benzolai/Pyrene Benzolai/Pyrene Benzolai/Pyrene Bis/2-Chioroethy/i/Ether Bis/2-Chioroisopropy/i/Ether Bis/2-Ethylneny/i/Phthalate 4-Bromopheny/i Phenyl Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chysene Dibenzolai/A)Anthrancene	0	0		6.693 N/A 91 17 N/A 59 0.1 N/A N/A N/A 0.00 N/A 910 54 35 N/A	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A 6,000 N/A 910 54.0 N/A N/A N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,23 10,23 1,552 92.1 59.7 N/A N/A	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzoftuoranthene Benzola(Chioroethyl)Ether Bis(2-Chioroethyl)Ether Bis(2-Chioroethyl)Ether Bis(2-Ethylhesyl)Phthalate 4-Bromophenyl Phenyl Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chrysene Dibenzola,N/Anthrancene 1,2-Dichiorobenzene	0			6.693 NIA 117 NIA 59 0.1 NIA NIA NIA NIA NIA 16,000 NIA 910 54 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231 N/A 1,552 92.1 59.7 N/A N/A N/A 1,752 1,	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzofuoranthene Benzola)Pyrene Bis(2-Chioroethyl)Ether Bis(2-Chioroethyl)Ether Bis(2-Ethylnexyl)Phthalate 4-Bromophenyl Phenyl Ether Butyl Benzoly Phthalate 2-Chioronaphthalane Chrysene Dibenzola,n)Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene	0			6.693 NIA 91 17 NIA 17 NIA 0.1 NIA NIA NIA 16,000 NIA 910 54 35 NIA NIA NIA NIA 0.000	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA 6,000 NIA 910 54.0 35.0 NIA NIA NIA NIA NIA NIA NIA 0.1	11.4 NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA NIA NIA 1,552 92.1 59.7 NIA NIA 1,552	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzolai/Pyrene 3,4-Benzofluoranthene Benzolai/Pyrene 3,4-Benzofluoranthene Benzolai/Pyrene 3,4-Benzofluoranthene Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chioronaphthalate 4-Bromopheny/ Pheny/ Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chiysene Dibenzola/h)Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene	0			6.693 NIA 117 NIA 59 0.1 NIA NIA NIA NIA NIA 16,000 NIA 910 54 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	6.69 N/A 91.0 17.0 N/A 59.0 0.1 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	11.4 N/A 155 29.0 N/A 101 0.17 N/A N/A N/A 10,231 N/A 1,552 92.1 59.7 N/A N/A N/A 1,752 1,	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzolai/Pyrene 3,4-Benzofluoranthene Benzolai/Pyrene 3,4-Benzofluoranthene Benzolai/Pyrene 3,4-Benzofluoranthene Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chiorobety/)(Ether Bis(2-Chioronaphthalate 4-Bromopheny/ Pheny/ Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chiysene Dibenzola/h)Anthrancene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene	0			6.693 NIA 91 17 NIA 17 NIA 0.1 NIA NIA NIA 16,000 NIA 910 54 35 NIA NIA NIA NIA 0.000	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA 6,000 NIA 910 54.0 35.0 NIA NIA NIA NIA NIA NIA NIA 0.1	11.4 NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA NIA NIA 1,552 92.1 59.7 NIA NIA 1,552	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphibene Anthracene Benzidine Berazola)Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzoftuoranthene Beszo(K)Fluoranthene Bis(2-Chioroteny)(Ether Bis(2-Chioroteny)(Ether Bis(2-Ethylheay)(Phihaiate 4-Bromopheny) Phihaiate 4-Bromopheny) Phihaiate 2-Chioronaphthalene Chrysene Butyl Benzyl Phihaiate 1,2-Dichiorobenzene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene	0			6.693 NIA 117 NIA 59 0.1 NIA NIA NIA NIA 910 NIA 910 NIA 160 69 150 NIA	6.69 NMA 91.0 17.0 NMA 59.0 0.1 NMA NMA NMA 910 54.0 NMA NMA NMA NMA 910 NMA NMA NMA NMA NMA 910 NMA NMA NMA NMA NMA NMA 95.0 NMA NMA NMA NMA NMA NMA NMA NMA NMA NMA	11.4 NIA 155 29.0 NIA 100 10.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA NIA 1,552	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzola)-Anthracene Benzola)-Anthracene Benzola)-Pyrene 3,4-Benzofuoranthene Benzola)-Pyrene 3,4-Benzofuoranthene Bis(2-Chiorospropyl)-Ether Bis(2-Chiorospropyl)-Ether Bis(2-Ethylnesyl)-Phthalate 4-Bromophenyl Phenyl Ether Butyl Benzola Phthalate 2-Chiorospropyl-Phthalate 2-Chiorosphalate 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene 0 Dietnyl Phthalate	0			6.693 NIA 91 17 NIA 17 NIA 19 0.1 NIA NIA NIA NIA NIA NIA 16,000 NIA 910 54 35 NIA	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA 6,000 NIA 910 54.0 35.0 NIA NIA NIA NIA NIA NIA NIA NIA 80.0 NIA 81	11.4 NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA NIA 1,552 92.1 59.7 NIA NIA 1,552 92.1 59.7 NIA NIA 1,552 92.1 59.0 1,155	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphibene Anthracene Benzidine Berazola)Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzoftuoranthene Beszo(K)Fluoranthene Bis(2-Chioroteny)(Ether Bis(2-Chioroteny)(Ether Bis(2-Ethylheay)(Phihaiate 4-Bromopheny) Phihaiate 4-Bromopheny) Phihaiate 2-Chioronaphthalene Chrysene Butyl Benzyl Phihaiate 1,2-Dichiorobenzene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 3,3-Dichiorobenzene 3,3-Dichiorobenzene	0			6.693 NIA 117 NIA 59 0.1 NIA NIA NIA NIA 910 NIA 910 NIA 160 69 150 NIA	6.69 NMA 91.0 17.0 NMA 59.0 0.1 NMA NMA NMA 910 54.0 NMA NMA NMA NMA 910 NMA NMA NMA NMA NMA 910 NMA NMA NMA NMA NMA NMA 95.0 NMA NMA NMA NMA NMA NMA NMA NMA NMA NMA	11.4 NIA 155 29.0 NIA 100 10.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA NIA 1,552	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Bidi-Ethylnexyliphthalate 4-Bromophenyl Phenyl Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chrysene Dibenzidine Dibenzidine 1,2-Dichlorobenzidine 1,3-Dichlorobenzidine Diethyl Phthalate Dimetryl Phthalate	0			6.693 NIA 91 17 NIA 17 NIA	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	11.4 NIA 155 29.0 NIA 101 10.17 NIA NIA NIA 10,231 NIA 1,552 192.1 59.7 NIA NIA NIA NIA 1,57 1,57 1,7 NIA NIA NIA 1,52 1,52 1,53 1,53 1,53 1,53 1,53 1,53 1,53 1,53	
Pentachiorophenol Phenol 2,4,5-Trichiorophenol Acenaphthene Anthracene Benzola)Anthracene Benzola)Anthracene Benzola)Pyrene 3,4-Benzoftuoranthene Benzola(K)Fluoranthene Bis(2-Chiorostryl)Ether Chiysene Dibenzola,h)Anthrancene 1,2-Dichiorosterizene 1,3-Dichiorosterizene 1,4-Dichiorosterizene 3,3-Oichiorosterizene Diethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate Dimethyl Phthalate	0			6.693 NIA 117 NIA 59 0.1 NIA NIA NIA NIA NIA NIA NIA NIA 160 160 150 NIA	6.69 NIA 91.0 17.0 17.0 NIA 59.0 0.1 NIA NIA NIA 5,000 NIA 910 54.0 35.0 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	11.4 NIA 155 29.0 NIA 101 0.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA 273 118 256 NIA 1,354 35.8	
Pentachiorophenoi Phenoi 2,4,6-Trichiorophenoi Acenaphthene Anthracene Benzolaine BenzolaiPyrene 3,4-Benzofuoranthene BenzolaiPyrene 3,4-Benzofuoranthene BenzolaiPyrene Bis(2-Chiorospropyl)Ether Bis(2-Chiorospropyl)Ether Bis(2-Ethylnesyl)Phthalate 4-Bromophenyl Phenyl Ether Butyl Benzolaite 2-Chiorospropyl)ethene Chrysene Dibenzolaite 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 3,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 2,4-Dinitrotobuene	0			6.693 NIA 91 17 NIA 17 NIA	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA 6,000 NIA 910 54.0 35.0 NIA NIA NIA NIA NIA NIA NIA NIA NIA 0.0 0.1 NIA 0.0 0.1 NIA 0.0 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	11.4 NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 10,231 NIA NIA NIA 1,552 92.1 59.7 NIA NIA NIA 1,552 92.1 59.7 NIA NIA NIA 1,552 92.1 59.7 NIA NIA 1,552 92.1 59.7 NIA NIA 1,552 92.1 59.7 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzidinenthene Benzidinenthene Benzidinenthene Bis/2-Chiorothy/ijEther Dibenzidine Dibenzidine 1,3-Dichiorothenzene 1,4-Dichiorothenzene 1,4-Dichiorothenzene 3,3-Oichiorothenzene Diethy/ijEthalate Dimethy/ijEthalate Dimethy/ijEthalate Dimethy/ijEthalate	0			6.693 NIA 117 NIA 59 0.1 NIA NIA NIA NIA NIA NIA NIA NIA 160 160 150 NIA	6.69 NIA 91.0 17.0 17.0 NIA 59.0 0.1 NIA NIA NIA 5,000 NIA 910 54.0 35.0 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	11.4 NIA 155 29.0 NIA 101 0.17 NIA NIA 10,231 NIA 1,552 92.1 59.7 NIA NIA 273 118 256 NIA 1,354 35.8	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzidine Benzidine Benzidine Benzidine Benzidine Benzidine 3,4-Benzofiuoranthene Benzidi,i/Fluoranthene Bis(2-Chioroethyl/Ether Bis(2-Ethylney)/Phitaliste 4-Bromophenyl Phenyl Ether Bis(2-Ethylney)/Phitaliste 2-Chioronaphthalene Chrysene Dibenzidia,ni/Anthrancene 1,2-Dichlorobenziene 1,3-Dichlorobenziene 3,3-Dichlorobenziene 3,3-Dichlorobenziene Diethyl Phthaliste Dien-Butyl Phitaliste Dien-Butyl Phthaliste	0			6.693 NIA 91 17 NIA 17 NIA	6.69 NIA 91.0 177.0 NIA 59.0 0.1 NIA NIA NIA NIA 35.0 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	11.4 NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 10,231 NIA 15,25 92.1 59.7 NIA NIA NIA NIA NIA 15,50 92.1 59.7 NIA NIA NIA NIA NIA NIA Serio, 10,000 1	
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Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzidine Benzidine Benzidine Benzidine Benzidine Benzidine 3,4-Benzidinorathrane Bis(2-Chiorolophy/Ether Bis(2-Chiorolopropy/Ether Bis(2-Chiorolopropy/Ether Bis(2-Ethylnex)/Phthalate 4-Bromopheny/Phthalate 2-Chioronaphthalane Chrysene Dibenzio(a,h)Anthrancene 1,2-Olichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,2-Diphenylirydrazine Din-Buly/Phthalate Din-Buly/Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylirydrazine Fluoranthene Fluoranthene Fluoranthene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Naphthalene Nitrobodimene Naphthalene Nitrobodimene Naphthalene Nitrobodimene Nitrobodimen				6.693 NIA 91 17 NIA 17 NIA 17 NIA 16 0.1 NIA NIA NIA NIA 16 10 10 10 10 10 10 10 10 10 10 10 10 10	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA NIA 6,000 NIA 910 54.0 35.0 NIA	11.4 NIA NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 10,231 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	
Pentachiorophenol Phenol 2.4,6-Trichiorophenol Acenaphthene Anthracene Benzoline Benzoline Benzoline Benzolinie 3,4-Benzofluoranthene Benzoli,9/hithracene Benzoli,9/hithracene Benzoli,9/hithracene Bis/2-Chiorolethy/jEther Bis/2-Chiorolethy/jEther Bis/2-Chiorolethy/jEther Bis/2-Ethylnexy/jPhthalate 4-Bromopheny/ Pheny/ Ether Buty/ Benzo/ Phthalate 2-Chioronaphthalene Chrysene Dibenzola,n/Anthrancene 1,2-Dichiorobenzene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,2-Dipheny/hydrazine Diethy/ Phthalate Din-Buty/ Phthalate Din-Buty/ Phthalate Din-Buty/ Phthalate 1,2-Dipheny/hydrazine Fluoranthene 1,2-Dipheny/hydrazine Fluoranthene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Nitrobenzene Naphthalene Nitrobodimethylamine n-Nitrosodim-Propylamine				6.693 NIA 91 17 NIA 17 NIA 17 NIA NIA NIA NIA NIA NIA NIA 16,000 NIA 150 NIA NIA NIA 160 150 NIA NIA 160 150 NIA NIA 150 150 NIA	6.69 NIA 91.0 177.0 NIA 591.0 0.1 NIA NIA NIA NIA 160.00 NIA 910 54.0 35.0 NIA	11.4 NIA NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 10,231 NIA 10,231 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Benzidine Benzidine Benzidine Benzidine Benzidine Benzidine 3,4-Benzidinorathrane Bis(2-Chiorolophy/Ether Bis(2-Chiorolopropy/Ether Bis(2-Chiorolopropy/Ether Bis(2-Ethylnex)/Phthalate 4-Bromopheny/Phthalate 2-Chioronaphthalane Chrysene Dibenzio(a,h)Anthrancene 1,2-Olichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,2-Diphenylirydrazine Din-Buly/Phthalate Din-Buly/Phthalate 2,4-Dinitrotoluene 2,6-Dinitrotoluene 1,2-Diphenylirydrazine Fluoranthene Fluoranthene Fluoranthene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Naphthalene Nitrobodimene Naphthalene Nitrobodimene Naphthalene Nitrobodimene Nitrobodimen				6.693 NIA 91 17 NIA 17 NIA 17 NIA 16 0.1 NIA NIA NIA NIA 16 10 10 10 10 10 10 10 10 10 10 10 10 10	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA NIA 16,000 NIA 910 35.0 NIA NIA 160 35.0 NIA NIA 150 0.1 1	11.4 NIA NIA 155 29.0 NIA 101 10.17 NIA NIA 10,231 NIA 1,552 192.1 59.7 NIA NIA NIA 273 118 256 NIA 1,364 1,363 35.8 545 1,364	
Pentachiorophenol Phenol 2.4,6-Trichiorophenol Acenaphthene Anthracene Benzoline Benzoline Benzoline Benzolinie 3,4-Benzofluoranthene Benzoli,9/hithracene Benzoli,9/hithracene Benzoli,9/hithracene Bis/2-Chiorolethy/jEther Bis/2-Chiorolethy/jEther Bis/2-Chiorolethy/jEther Bis/2-Ethylnexy/jPhthalate 4-Bromopheny/ Pheny/ Ether Buty/ Benzo/ Phthalate 2-Chioronaphthalene Chrysene Dibenzola,n/Anthrancene 1,2-Dichiorobenzene 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,4-Dichiorobenzene 1,2-Dipheny/hydrazine Diethy/ Phthalate Din-Buty/ Phthalate Din-Buty/ Phthalate Din-Buty/ Phthalate 1,2-Dipheny/hydrazine Fluoranthene 1,2-Dipheny/hydrazine Fluoranthene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Nitrobenzene Naphthalene Nitrobodimethylamine n-Nitrosodim-Propylamine				6.693 NIA 91 17 NIA 17 NIA 17 NIA NIA NIA NIA NIA NIA NIA 16,000 NIA 150 NIA NIA 160 150 NIA NIA 160 150 NIA NIA 150 150 NIA NIA	6.69 NIA 91.0 177.0 NIA 591.0 0.1 NIA NIA NIA NIA 160.00 NIA 910 54.0 35.0 NIA	11.4 NIA NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 10,231 NIA 10,231 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	
Pentachiorophenoi Phenoi 2,4,6-Trichiorophenoi Acenaphthene Arthracene Benzolaine Benzolaine BenzolaiPyrene 3,4-Benzofuoranthene Bis(2-Chiorospropyl)Ether Bis(2-Chiorospropyl)Ether Bis(2-Chiorospropyl)Ether Bis(2-Ethylhesyl)Phthalate 4-Bromopheny Phenyl Ether Butyl Benzyl Phthalate 2-Chioronaphthalene Chrysene Dibenzolainophaniate 1,2-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,3-Dichiorobenzene 1,2-Diphenylhydrazine Din-Butyl Phthalate 1,2-Oiphenylhydrazine Fluoranthene Hexachiorobenzene Hexachiorobenzene Hexachiorobenzene Naprithalene Nitrobenzene n-Nitrosodin-Propylamine n-Nitrosodin-Propylamine Phenanthrene				6.693 NIA 91 17 NIA 17 NIA 17 NIA 18 0.1 NIA NIA 18 6,000 NIA 18 18 18 18 18 18 18 18 18 18 18 18 18	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA 16.000 NIA 910 54.0 35.0 NIA	11.4 NIA NIA 155 29.0 NIA 10.17 NIA NIA 10,231 NIA 11,552 92.1 59.7 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	
Pentachiorophenol Phenol 2,4,6-Trichiorophenol Acenaphthene Anthracene Benzidine Bisi,2-Chiorolopropi(jEther Bisi,2-Chiorolopropi(jEther Bisi,2-Ethylhevy(jPhthaliate 4-Bromophenyl Phenyl Ether Butyl Benzyl Phthaliate 2-Chioronaphthalene Chrysene Dibenzidine 1,2-Dichlorobenzidine 1,2-Dichlorobenzidine Diethyl Phthaliate Dimetryl Phthaliate Phurosoluene 1,2-Diphenythydrazine Fluoranthene Hexachiorobutadiene Hexachiorobutadiene Hexachiorobutadiene Hexachiorocthane Indeno(1,2,3-cd)Pyrene Isophorone Naphthaliane Nitrosodine-Projlamine n-Nitrosodine-Projlamine n-Nitrosodine-Projlamine n-Nitrosodiphenylamine				6.693 NIA 91 17 NIA 17 NIA 16 17 NIA 16 17 NIA 16 17 NIA 17 17 17 17 17 17 17 17 17 17 17 17 17	6.69 NIA 91.0 17.0 NIA 59.0 0.1 NIA NIA NIA NIA 16,000 NIA 910 35.0 NIA NIA 160 35.0 NIA NIA 150 0.1 1	11.4 NIA NIA 155 29.0 NIA 101 10.17 NIA NIA 10,231 NIA 1,552 192.1 59.7 NIA NIA NIA 273 118 256 NIA 1,364 1,363 35.8 545 1,364	

☑ THH CC	T (min): 3.5	952	PMF:	1	Ana	alysis Hardne	ss (mg/l):	NIA Analysis pH: NIA
Pollutants	Conc	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	Comments
Total Dissolved Solids (PWS)	0	0		0	500,000	500,000	N/A	
Chloride (PWS)	0	0		0	250,000	250,000	N/A	
Sulfate (PWS)	0	0		0	250,000	250,000	N/A N/A	
Total Auminum Total Antimony	0	0		0	N/A 5.6	N/A 5.6	9.55	
Total Arsenic	0	0		0	10	10.0	17.1	
Total Barlum	0	0		0	2,400	2,400	4,092	
Total Boron	0	0		0	3,100	3,100	5,286	
Total Cadmium	0	0		0	N/A	N/A	N/A	
Total Chromium (III)	0	0		0	N/A	N/A	N/A	
Hexavalent Chromium	0	0		0	N/A	N/A	N/A	
Total Cobalt	0	0		0	N/A	N/A	N/A	
Total Copper Free Cyanide	0	0		0	N/A 4	N/A 4.0	N/A 6.82	
Dissolved iron	0	0		0	300	300	512	
Total Iron	0	0		0	N/A	N/A	N/A	
Total Lead	0	0		0	N/A	N/A	N/A	
Total Manganese	0	0		0	1,000	1,000	1,705	
Total Mercury	0	0		0	0.050	0.05	0.085	
Total Nickel	0	0		0	610	610	1,040	
Total Phenois (Phenolics) (PWS)	0	0		0	5	5.0	N/A	
Total Selenium	0	0		0	N/A	N/A	N/A	-
Total Silver	0	0		0	N/A	N/A	N/A	
Total Thallum Total Zinc	0	0		0	0.24 N/A	0.24 N/A	0.41 N/A	
Acrolein	0	0		0	3	3.D	5.12	
Acroien	0	0		0	N/A	N/A	N/A	
Benzene	0	0		0	N/A	N/A	N/A	
Bromoform	0	ō		0	N/A	N/A	N/A	
Carbon Tetrachloride	0	0		0	N/A	N/A	N/A	
Chlorobenzene	0	0		0	100	100.0	171	
Chlorodibromomethane	0	0		0	N/A	N/A	N/A	
2-Chloroethyl Vinyl Ether	0	0		0	N/A	N/A	N/A	
Chloroform	0	0		0	N/A	N/A	N/A	
Dichiorobromomethane	0	0		0	N/A	N/A	N/A	
1,2-Dichloroethane 1,1-Dichloroethylene	0	0		0	N/A 33	N/A 33.0	N/A 56.3	
1,2-Dichloropropane	0	0		0	N/A	N/A	N/A	
1,3-Dichioropropylene	0	0		0	N/A	N/A	N/A	
Ethylbenzene	0	0		0	68	68.0	116	
Methyl Bromide	0	0		0	100 N/A	100.0 N/A	171 N/A	
Methyl Chloride Methylene Chloride	0	0		0	N/A	N/A	N/A	
1,1,2,2-Tetrachioroethane	Ö	0		0	N/A	N/A	N/A	
Tetrachioroethylene	0	0		0	N/A	N/A	N/A	
Toluene	0	0		0	57	57.0	97.2	
1,2-trans-Dichloroethylene	0	0		0	100	100.0	171	
1,1,1-Trichioroethane	0	0		0	10,000	10,000	17,052	
1,1,2-Trichioroethane	0	0		0	N/A	N/A	N/A	
Trichioroethylene	0	0		0	N/A	N/A	N/A	
Vinyl Chloride	0	0		0	N/A	N/A	N/A	
2-Chlorophenol	0	0		0	30 10	30.0 10.0	51.2 17.1	
2,4-Dichlorophenol 2,4-Dimethylphenol	0	0		0	100	100.0	17.1	
4,6-Dinitro-o-Cresol	Ö	0		0	2	2.0	3.41	
2,4-Dinitrophenol	0	0		0	10	10.0	17.1	
2-Nitrophenol	0	0		0	N/A	N/A	N/A	
4-Nitrophenol	0	0		0	N/A	N/A	N/A	
p-Chioro-m-Cresol	0	0		0	N/A	N/A	N/A	
Pentachiorophenol	0	0			N/A	N/A	N/A	
Phenoi 2.4 S-Trichiorophenoi	0	0		0	4,000 N/A	4,000 N/A	6,821 N/A	
2,4,6-Trichlorophenol Acenaphthene	0	0		0	70	70.0	N/A 119	
Anthracene	0	0		0	300	300	512	
Antiracene Benzidine	0	0		0	N/A	N/A	N/A	
Benzo(a)Anthracene	Ö	0		0	N/A	N/A	N/A	
Benzo(a)Pyrene	0	0		ō	N/A	N/A	N/A	
3,4-Benzofluoranthene	0	0		0	N/A	N/A	N/A	
Benzo(k)Fluoranthene	0	0		0	N/A	N/A	N/A	
Bis(2-Chioroethyl)Ether	0	0		0	N/A	N/A	N/A	
Bis(2-Chioroisopropyl)Ether	0	0		0	200	200	341	
Bis(2-Ethylhexyl)Phthalate	0	0		0	N/A	N/A	N/A	
4-Bromophenyl Phenyl Ether	0	0		0	N/A	N/A	N/A	
Butyl Benzyl Phihalate	0	0		0	0.1 800	0.1 800	0.17	
2-Chioronaphthalene Chrysene	0	0		0	N/A	800 N/A	1,364 N/A	
Dibenzo(a,h)Anthrancene	0	0		0	N/A	N/A	N/A	
1,2-Dichlorobenzene	0	0		0	1,000	1,000	1,705	
1,3-Dichlorobenzene	0	0		0	7	7.0	11.9	
1,4-Dichiorobenzene	ō	0		0	300	300	512	
3,3-Dichlorobenzidine	0	0		0	N/A	N/A	N/A	
Diethyl Phthalate	0	0		0	600	600	1,023	
Dimethyl Phthalate	0	0		0	2,000	2,000	3,410	
Di-n-Butyl Phthalate	0	0		0	20	20.0	34.1	
2,4-Dinitrotoluene	0	0		0	N/A	N/A	N/A	l

2.6-Dinitrotoluene	T 0	0		0	N/A	N/A	N/A	T T
1,2-Diphenylhydrazine	0	0		0	N/A	N/A	N/A	
Fluoranthene	ō	ō		0	20	20.0	34.1	
Fluorene	0	0		0	50	50.0	85.3	
Hexachlorobenzene	0	0		0	N/A	N/A	N/A	
Hexachiorobutadiene	0	0		0	N/A	N/A	N/A	
Hexachiorocyclopentadiene	0	0		0	4	4.0	6.82	
Hexachloroethane	0	0		0	N/A	N/A	N/A	
Indeno(1,2,3-cd)Pyrene	0	0		00	N/A 34	N/A 34.0	N/A 58.0	
Isophorone Naphthalene	-	0		0	N/A	N/A	N/A	
Nitrobenzene	0	0		0	10	10.0	17.1	
n-Nitrosodimethylamine	<u> </u>	ŏ		0	N/A	N/A	N/A	
n-Nitrosodi-n-Propylamine	0	0		0	N/A	N/A	N/A	
n-Nitrosodiphenylamine	0	0		0	N/A	N/A	N/A	
Phenanthrene	0	0		0	N/A	N/A	N/A	
Pyrene	0	0		0	20	20.0	34.1	
1,2,4-Trichlorobenzene	0	0		0	0.07	0.07	0.12	
☑ CRL CO	T (min): 6.	959	PMF:	1	Ana	lysis Hardne	ss (mg/l):	N/A Analysis pH: N/A
Pollutants	Conc	Stream	Trib Conc	Fate	WQC	WQ Obj	WLA (µg/L)	Comments
	(Unit)	CV	(µg/L)	Coef	(µgL)	(µg/L)		
Total Dissolved Solids (PWS) Chloride (PWS)	0	0		0	N/A N/A	N/A N/A	N/A N/A	
Sulfate (PWS)	0	0		0	N/A	N/A	N/A	
Total Aluminum	0	0		0	N/A	N/A	N/A	
Total Antimony	0	0		0	N/A	N/A	N/A	
Total Arsenic	ō	0		0	N/A	N/A	N/A	
Total Barlum	0	0		0	N/A	N/A	N/A	
Total Boron	0	0		0	N/A	N/A	N/A	
Total Cadmium	0	0		0	N/A	N/A	N/A	
Total Chromium (III)	0	0		0	N/A	N/A	N/A	
Hexavalent Chromium	0	0		0	N/A	N/A	N/A	
Total Cobalt	0	0		0	N/A	N/A	N/A	
Total Copper	0	0		00	N/A N/A	N/A N/A	N/A N/A	
Free Cyanide Dissolved Iron	0	0		0	N/A	N/A	N/A	
Total Iron	-	0		0	N/A	N/A	N/A	
Total Lead	0	0		0	N/A	N/A	N/A	
Total Manganese	<u> </u>	ō		0	N/A	N/A	N/A	
Total Mercury	0	0		0	N/A	N/A	N/A	
Total Nickel	0	0		0	N/A	N/A	N/A	
Total Phenois (Phenolics) (PW8)	0	0		0	N/A	N/A	N/A	
Total Selenium	0	0		0	N/A	N/A	N/A	
		•					•	
Total Silver	0	0		0	N/A	N/A	N/A	
Total Thallum	0	0		0	N/A	N/A	N/A	
Total Zinc	0	0		0	N/A	N/A	N/A	
Acrolein	0	0		0	N/A	N/A	N/A	
Acrylonitrie	0	0						
Benzene		-		$\overline{}$	0.06	0.06	0.37	
	0	0		0	0.58	0.58	3.55	
Bromoform	0	0		0	0.58 7	0.58 7.0	3.55 42.8	
Bromoform Carbon Tetrachloride	0	0		0	0.58 7 0.4	0.58 7.0 0.4	3.55 42.8 2.45	
Bromoform Carbon Tetrachioride Chlorobenzene	0	0		0	0.58 7 0.4 N/A	0.58 7.0 0.4 N/A	3.55 42.8 2.45 N/A	
Bromoform Carbon Tetrachloride Chlorobenzene Chlorodibromomethane	0	0		0	0.58 7 0.4	0.58 7.0 0.4	3.55 42.8 2.45	
Bromoform Carbon Tetrachioride Chlorobenzene	0	0 0 0		0	0.58 7 0.4 N/A 0.8	0.58 7.0 0.4 N/A 0.8	3.55 42.8 2.45 N/A 4.9	
Bromoform Carbon Tetrachioride Chloroberizene Chloroberizene Chloroberiy Viryl Ether 2-Chloroform Dichloroform Dichloroform	0	0		0	0.58 7 0.4 N/A 0.8 N/A	0.58 7.0 0.4 N/A 0.8 N/A	3.55 42.8 2.45 N/A 4.9 N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chloroderommethane 2-Chloroethyl Vinyl Ether Chloroform Dichlorobromomethane 1,2-Dichloroethane	0	0 0 0 0 0 0		0	0.58 7 0.4 N/A 0.8 N/A 5.7	0.58 7.0 0.4 N/A 0.8 N/A 5.7	3.55 42.8 2.45 N/A 4.9 N/A 34.9	
Bromoform Carbon Tetrachioride Chiorobenzene Chioroditromomethane 2-Chioroethyl Vinyl Ether Chioroform Dichlorobromomethane 1,2-Oichloroethane 1,1-Dichloroethane 1,1-Dichloroethylene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0		0	0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A	3.55 42.8 2.45 N/A 4.9 N/A 34.9 5.81 60.6 N/A	
Bromoform Carbon Tetrachloride Chloroberszene Chlorodibromomethane 2-Chloroethyl Vinyl Ether Chloroform Dichlorobromomethane 1,2-Olichloroethylene 1,2-Olichloropropane	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9	3.55 42.8 2.45 N/A 4.9 N/A 34.9 5.81 60.6 N/A 5.51	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene 2-Chlorobeny Viny Ether Chlorobrom Dichlorobromomethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,2-Dichloroproppane 1,3-Dichloropropylene	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9	3.55 42.8 2.45 N/A 4.9 N/A 34.9 5.81 60.6 N/A 5.51	
Bromoform Carbon Tetrachioride Chlorobenzene Chloroditromomethane 2-Chloroethyl Vinyl Ether Chloroform Dichlorobromomethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,3-Dichloropropane 1,3-Dichloropropylene Ethylbenzene	0	0		0	0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.27 N/A	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 1.65 NIA	
Bromoform Carbon Tetrachioride Chiorobenzene Chiorodirormomethane 2-Chioroethyl Vinyl Ether Chioroform Dichlorobromomethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,3-Dichloropropynene Ethylbenzene Methyl Bromide	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 2-Chlorobenzene Dichlorobromomethane 1,2-Olichlorobenzene 1,1-Olichloroethylene 1,2-Olichloropenpane 1,3-Olichloropropane Ethylbenzene Methyl Bromide Methyl Chloride	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A N/A	3.55 42.8 2.45 N/A 4.9 N/A 34.9 5.81 60.5 N/A 5.51 1.65 N/A N/A N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chloroditromomethane 2-Chloroethyl Vinyl Ether Chloroform Dichloroformomethane 1,2-Dichloroethylene 1,2-Dichloropropane 1,3-Dichloropropylene Ethylbenzene Methyl Bromide Methyl Chloride Methylene Chloride	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA NIA NIA NIA	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A 0.9	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.55 NIA NIA NIA NIA	
Bromoform Carbon Tetrachioride Chiorobenzene Chioroditromomethane 2-Chioroethyl Vinyl Ether Chioroform Dichlorobromomethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,3-Dichloropropylene Ethylbenzene Methyl Bromide Methyl Chioride Methylene Chioride 1,1,2,2-Tetrachioroethane	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.97 NIA NIA NIA NIA 20 0.2	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 N/A 0.27 N/A N/A N/A N/A	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.55 NIA NIA NIA 1.22	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chloroben Dichloroben Dichloroben 1,2-Dichloroethane 1,2-Dichloroethylene 1,2-Dichloropenpane Elhylbenzene Methyl Bromide Methyl Chloride Methylene Chloride 1,1,2,2-Tetrachloroethane Tetrachloroethylene Tetrachloroethylene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0			0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A 0.9	0.58 7.0 0.4 N.IA 0.8 N.IA 5.7 0.95 9.9 0.27 N.IA 0.9 0.27 N.IA N.IA 0.9	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA NIA NIA 1.22 1.22 61.2	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chlorodiromomethane 1,2-Olichloroethylene 1,2-Olichloroethylene 1,2-Olichloropropane 1,2-Olichloropropylene Ethylbenzene Methyl Bromide Methyl Gronide Methylene Chloride 1,1,2-2-Tetrachioroethane Tetrachioroethylene Toluene Toluene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.97 NIA NIA NIA NIA 20 0.2	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 N/A 0.27 N/A N/A N/A N/A	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.55 NIA NIA NIA 1.22	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chloroform Dichlorosethane 1,2-Dichlorosethane 1,2-Dichlorosethylene 1,2-Dichlorosethylene 1,2-Dichlorosethylene 1,2-Dichlorosethylene Ethylbenzene Methyl Bromide Methyl Chloride Methyl Chloride 1,2,2-Tetrachlorosethane Tetrachlorosethylene Tetrachlorosethylene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A 0.9	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA NIA 20.0 0.2 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	3.55 42.8 2.45 NIA 4.9 NIA 3.4.9 5.81 60.6 NIA 5.51 1.65 NIA NIA 122 1.22 1.22 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chloroditromomethane 2-Chloroethyl Vinyl Ether Chloroform Dichlorostromomethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,3-Dichloropropane 1,3-Dichloropropane Bithylbenzene Methyl Bromide Methyl Chloride Methylene Chloride Methylene Chloride 1,1,2,2-Tetrachloroethylene Toluene 1,2-trans-Dichloroethylene 1,2-trans-Dichloroethylene	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A	3.55 42.8 2.45 N/A 4.9 N/A 34.9 5.81 60.5 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 2-Chloroform Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,2-Dichloropropane Brhylbenzene Methyl Bromide Methyl Chloride Methylene Chloride 1,1,2,2-Tetrachloroethylene Toluene 1,2-trans-Dichloroethylene 1,1-trans-Dichloroethylene 1,1,1-Trichloroethane	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.58 7.0 0.4 NiA 0.8 NiA 5.7 0.95 9.9 NiA 0.9 0.27 NiA NiA NiA NiA NiA NiA NiA NiA NiA NiA	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA NIA NIA NIA NIA NIA NIA NIA NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichloropenzene 1,2-Olichloropenzene Bithylbenzene Methyl Bromide Methyl Bromide Methylen Chloride 1,1,2,2-Tetrachlorobene Tetrachlorobene Tetrachlorobene 1,2-trans-Dichloropenylene 1,1,1-Trichlorobenane 1,1,1-Trichlorobenane 1,1,1-Trichlorobenane 1,1,1-Trichlorobenane					0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A N/A N/A N/A N/A N/A N/A N/A N/A 0.5 0.2 10 N/A 0.2 10 N/A 0.9 0.2 10 0.0 10 0.0 10 0.0 10 0 0.0 10 0.0 10 0.0 10 0.0 10 10 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	0.58 7.0 0.4 N.IA. 0.8 N.IA. 5.7 0.95 9.9 N.IA. 0.9 0.27 N.IA. N.I	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.5 NIA 5.51 1.65 NIA NIA 1.22 1.22 1.22 NIA NIA NIA 3.37	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chlorodiromomethane 1,2-Chlorodiromomethane 1,2-Olichlorodiromomethane 1,2-Olichlorodiromomethane 1,2-Olichloropropane 1,2-Olichloropropane 1,2-Olichloropropylene Ethylbenzene Methyl Bromide Methyl Bromide Methyl Chloride Methyl Chloride 1,1,2-2-Tetrachlorodirodirodirodirodirodirylene Toluene 1,2-trans-Dichlorodirylene 1,1,1-Trichlorodirane 1,1,2-Trichlorodirane Trichlorodirodirodirodirodirodirodirodirodirod					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.27 NIA NIA 20.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.2 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	3.55 42.8 2.45 N/A 4.9 N/A 34.9 5.81 60.6 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chloroform Dichlorommethane 1,2-Olichloroethylene 1,2-Olichloroethylene 1,2-Olichloroethylene 1,2-Olichloropropylene Ethylbenzene Methyl Bromide Methyl Bromide Methylene Chloride 1,1,2,2-Tetrachloroethylene 1,2-Olichloropropylene Ethylbenzene Methyl Chloride 1,1,2,2-Tetrachloroethylene Toluene 1,2-trans-Olichloroethylene 1,1,1-Trichloroethylene 1,1,1-Trichloroethylene 1,1,2-Trichloroethylene 1,1,2-Trichloroethylene 1,1,1-Trichloroethylene 1,1,2-Trichloroethylene Viryl Chloride 2-Chlorophenol 2,4-Olichlorophenol					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 3.49 5.81 60.5 NIA NIA 1.65 NIA NIA 1.22 1.22 1.22 1.22 1.22 1.23 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chlorodiromomethane 1,2-Chlorodiromomethane 1,2-Dichloroethylene 1,2-Dichloroethylene 1,2-Dichloropropane 1,3-Dichloropropylene Ethylbenzene Methyl Bromide Methyl Chloride Methyl Chloride Methylene Chloride 1,1,2,2-Tetrachloroethylene Toluene 1,2-trachloroethylene 1,1,1-Trichloroethylene					0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.2 10 N/A	0.58 7.0 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA NIA NIA 122 61.2 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 1,2-Chlorobenzene 1,2-Olichloroethane 1,2-Olichloroethylene 1,2-Olichloropropane 1,3-Dichloropropane Britylbenzene Methyl Bromide Methyl Chloride Methylen Chloride 1,1,2,2-Tetrachloroethylene Toluene 1,2-trans-Dichloroethylene 1,1,1-Trichloroethylene 1,1,1-Trichloroethylene 1,1,1-Trichloroethylene Viryl Chloride 2,4-Olichlorophenol 2,4-Olichlorophenol 2,4-Olichlorophenol 4,6-Olintbro-Cresol					0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA NIA 122 61.2 NIA NIA NIA NIA 3.37 3.57 0.12 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichloropropane 1,2-Olichloropropylene Ethylbenzene Methyl Bromide Methyl Bromide Methyl Bromide Methyl Chloride 1,1,2-2-Tetrachlorobenae Tetrachlorobenzene 1,1,1-Trichlorobenae 1,1,1-Trichlorobenae 1,1,1-Trichlorobenae 1,1,1-Trichlorobenae 1,1,1-Trichlorobenae 1,1,2-Tetrachlorobenae 1,1,2-Trichlorobenae 1,1,2-Trichlorobenae 1,1,1-Trichlorobenae 1,1,2-Trichlorobenae 1,1,1-Trichlorobenae 1,1,1-Trichlorobenae 1,1,2-Trichlorobenae 1,1,1-Trichlorobenae					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA NIA 0.55 0.6 0.05 0.05 0.10 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA NIA 20.0 0.2 10.0 NIA NIA NIA 0.55 0.6 0.05 0.10 NIA	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 1.65 NIA NIA 1.22 1.22 1.22 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chlorodiromomethane 2-Chlorodiromomethane 1,2-Olichlorodiromomethane 1,2-Olichlorodiromomethane 1,2-Olichlorogropane 1,2-Olichlorogropylene Ethylbenzene Methyl Bromide Methyl Bromide Methyl Bromide Methyl Chloride Methyl Chloride 1,1,2-2-Tetrachlorodirome Tetrachlorodirylene 1,2-trans-Dichlorodirodirodirodirodirolirodirodirolirodirodirodirodirodirodirodirodirodirod					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 10 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 3.4.9 5.81 60.6 NIA NIA NIA NIA NIA 122 1.22 1.22 1.22 1.22 1.22 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorodisromomethane 2-Chloroform Dichlorosthyring Ether Chloroform Dichlorosthyrene 1,2-Dichlorosthyrene 1,2-Dichlorosthyrene 1,2-Dichlorosthyrene Bryblenzene Methyl Chloride Methyl Chloride Methyl Chloride Methyl Chloride Methyl Chloride Toluene 1,2-2-Tetrachlorosthyrene Toluene 1,1-2-Trichlorosthyrene 1,1,1-Trichlorosthyrene 1,1,1-Trichlorosthyrene Viryl Chloride 2-Chlorophenol 2,4-Dichlorophenol 2,4-Dichlorophenol 4,6-Dinitro-Ocresol 2,4-Dinitro-Ocresol 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol 4-Nitrophenol					0.58 7 0.4 N/A 0.8 N/A 5.7 0.95 9.9 N/A 0.9 0.27 N/A	0.58 7.0 0.4 N.IA. 0.8 N.IA. 5.7 0.95 9.9 N.IA. 0.9 0.27 N.IA. N.I	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA NIA 122 61.2 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichloropropylene Ethylbenzene Methyl Bromide Methyl Bromide Methylen Chloride 1,1,2,2-Tetrachlorobenane Tetrachlorobenzene 1,1,1-Trichlorobenane					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA NIA 1.22 1.22 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chloroteny Vinyi Ether Chlorotenyi Vinyi Ether Chlorotenyi Vinyi Ether Chlorotenyi Vinyi Ether 1,2-Olichlorotenyiene 1,2-Olichlorotenyiene 1,2-Olichloropropyiene Ethyibenzene Methyi Bromide Methyi Bromide Methyi Bromide Methyi Chloride 1,1,2-Tetrachiorotenane Tetrachiorotenyiene 1,2-trans-Dichlorotenyiene 1,1-1-Trichlorotenane 1,1,2-Trichlorotenyiene 1,1,1-Trichlorotenyiene 1,1,1-Trichlorotenyiene Vinyi Chloride 2-Chlorothyiene Vinyi Chloride 2-Chlorothyiene Vinyi Chloride 2-Chlorothyiene Vinyi Chloride 2-Chlorothyiene 1,4-Dimethyiphenol 2,4-Dimethyiphenol 4,6-Dinitro-Ocresol 2-Nitrophenol 2-Nitrophenol P-Chloroth-Ocresol Pentachlorophenol					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 10 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 N/A 4.9 N/A 34.9 5.81 60.6 N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorodisromomethane 2-Chloroform Dichloroform Dichlorostry Dichlorostry 1,2-Dichlorostry Ethylene 1,2-Dichlorostry Ethylene 1,2-Dichlorostry Ethylene 1,2-Dichlorostry Ethylenzene Methyl Chloride Methyl Chloride Methyl Chloride Methylene Chloride 1,1,2,2-Tetrachlorostry Errachlorostry Errachlorostry Ethylene 1,1,1-Trichlorostry 1,1,1-Trichlorostry Ethylene Viryl Chloride 2-Chlorophenol 2,4-Dichlorophenol 2,4-Dintro-Ocresol 2,4-Dintro-Ocresol 2,4-Dintro-Ocresol 2,4-Dintro-Ocresol 2,4-Dintro-Ocresol 2-Nitrophenol 4-Nitrophenol 1-Nitrophenol Petachlorophenol Petachlorophenol Petachlorophenol Petachlorophenol Petachlorophenol Petachlorophenol Petachlorophenol Petachlorophenol					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.5 NIA 5.51 1.55 NIA NIA NIA 122 61.2 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichlorobenzene 1,2-Olichloropropylene Bitrylbenzene Methyl Bromide Methyl Bromide Methyl Chloride Methylen Chloride 1,1,2,2-Tetrachlorobenane Tetrachlorobenzene 1,1,1-Tichlorobenane 1,2-trans-Olichlorobenane 1,1,1-Tichlorobenane 1,1,1-Tichlorobenane Trichlorobethylene Virtyl Chloride 2-Chlorophenol 2,4-Olichlorophenol 2,4-Olichlorobenol 2-Nitrophenol 4-Nitrophenol Penbol Penbol Phenol					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA NIA 122 61.2 NIA	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene Chlorobenzene 1,2-Olichlorobenzene 1,2-Olichloropenzene 1,2-Olichloropenzene 1,2-Olichloropenzene Bithylbenzene Methyl Bromide Methyl Bromide Methyl Bromide Methyl Chloride 1,1,2-2-Tetrachlorobenane Tetrachlorobenzene 1,2-trans-Olichlorobenzene 1,2-trans-Olichlorobenzene 1,1,1-Trichlorobenane 1,1,2-Trichlorobenane 1,1,2-Trichlorobenzene 2-Allorophenol 2,4-Olimbrophenol 1,8-Dintro-o-Cresol 2,4-Olimbrophenol Pennol Pennol 2,4,5-Trichlorophenol Pennol 2,4,5-Trichlorophenol Pennol 2,4,5-Trichlorophenol					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 10 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 10.0 NIA	3.55 42.8 N/A 4.9 N/A 34.9 5.81 60.6 N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chloroethyl Vinyl Ether Chloroform Dichloromomethane 1,2-Dichloroethylene 1,2-Dichloropropane 1,2-Dichloropropylene Ethylbenzene Methyl Bromide Methyl Bromide Methyl Bromide Methyl Bromide Methyl Bromide Methylene Chloride 1,1,2-Tetrachioroethane Tetrachioroethylene 1,2-trans-Dichloroethylene 1,1,1-Thioroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloroethylene 1,1,2-Trichloroethylene 1,1,2-Trichloroethylene 1,1,2-Trichloroethylene 1,1,2-Trichloroethylene 1,1,2-Trichloroethylene Vinyl Chloride 2-Chlorophenol 2,4-Dintrophenol 2,4-Dintrophenol 2,4-Dintrophenol 2,4-Dintrophenol 2,4-Dintrophenol 2-Nitrophenol Pochoto-m-Cresol Pentachlorophenol Phenol 2,4,5-Trichlorophenol Phenol 2,4,5-Trichlorophenol Phenol 2,4,5-Trichlorophenol Phenol Acenaphitene Anthracene					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.2 10 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 NIA	3.55 42.8 2.45 NIA 4.9 NIA 3.4.9 5.81 60.5 NIA NIA NIA NIA 122 61.2 NIA	
Bromoform Carbon Tetrachioride Chiorobenzene Chiorobenzene Chiorobenzene Chiorobenzene Chiorobenzene Chiorobenzene Chiorobenzene Chiorobenzene 1,2-Chiorobenzene 1,2-Dichioropenzene 1,2-Dichioropenzene 1,3-Dichioropenzene Britylbenzene Methyl Chioride Methyl Chioride Methylene Chioride 1,1,2,2-Tetrachioroethane Tetrachioroethylene 1,1,1-Trichioroethylene 1,1,1-Trichioroethylene 1,1,1-Trichioroethylene 1,1,1-Trichioroethylene 1,1,1-Trichioroethylene Viryl Chioride 2-Chiorophenol 2,4-Dichiorophenol 2,4-Dichiorophenol 4,6-Dintero-Cresol 2,4-Dintero-Cresol 2,4-Pinitro-Poresol Portioro-Cresol Penbol Penbol 2,4,6-Trichiorophenol Penbol 2,4,6-Trichiorophenol Penbol 2,4,6-Trichiorophenol Penbol 2,4,6-Trichiorophenol Penbol Phenol 2,4,6-Trichiorophenol Phenol 2,4,6-Trichiorophenol Phenol Acenaphthene Anthracene Benzidine					0.58 7 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 10 NIA	0.58 7.0 0.4 NIA 0.8 NIA 5.7 0.95 9.9 NIA 0.9 0.27 10.0 NIA	3.55 42.8 N/A 4.9 N/A 34.9 5.81 60.6 N/A	
Bromoform Carbon Tetrachioride Chlorobenzene Chlorobenzene Chlorodiromomethane 2-Chlorodiromomethane 1,2-Olichloroethyl Vinyl Ether Chlorodom Dichloromomethane 1,2-Olichloroethylene 1,2-Olichloropropane 1,2-Olichloropropylene Ethylbenzene Methyl Bromide Methyl Bromide Methyl Bromide Methyl Fromide Methyl Fromide Methyl Fromide Methyl Fromide 1,1,2-Tetrachloroethane Tetrachloroethylene 1,2-trans-Olichloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethylene 1,1,1-Trichloroethylene 1,1,2-Trichloroethylene Vinyl Chloride 2-Chlorophenol 2,4-Olintrophenol 2,4-Olintrophenol 2,4-Olintrophenol 2,4-Olintrophenol 2-Nitrophenol 2-Nitrophenol 1-Nitrophenol 2-Nitrophenol Pentochnoroesol Pentochlorophenol Pentochlorophenol Phenol 2,4,5-Trichlorophenol Phenol Aceraphithene Anthracene					0.58 7 0.4 N/A 0.8 N/A 0.9 0.95 9.9 N/A 0.9 0.27 N/A	0.58 7.0 0.4 N.IA. 0.8 N.IA. 5.7 0.95 9.9 N.IA. 0.9 0.27 N.IA. N.I	3.55 42.8 2.45 NIA 4.9 NIA 34.9 5.81 60.6 NIA 5.51 1.65 NIA NIA 122 61.2 NIA NIA 1.22 61.2 NIA	

3.4-Benzofluoranthene	0	0	0	0.001	0.001	0.006	
Benzo(k)Fluoranthene	0	0	0	0.01	0.01	0.061	
Bis(2-Chloroethyl)Ether	0	0	0	0.03	0.03	0.18	
Bis(2-Chloroisopropyl)Ether	0	0	0	N/A	N/A	N/A	
Bis(2-Ethylhexyl)Phthalate	0	0	0	0.32	0.32	1.96	
4-Bromophenyl Phenyl Ether	0	0	0	N/A	N/A	N/A	
Butyl Benzyl Phthalate	0	0	0	N/A	N/A	N/A	
2-Chloronaphthalene	0	0	0	N/A	N/A	N/A	
Chrysene	0	0	0	0.12	0.12	0.73	
Dibenzo(a,h)Anthrancene	0	0	0	0.0001	0.0001	0.0006	
1,2-Dichlorobenzene	0	0	0	N/A	N/A	N/A	
1,3-Dichlorobenzene	0	0	0	N/A	N/A	N/A	
1,4-Dichlorobenzene	0	0	0	N/A	NA	N/A	
3,3-Dichlorobenzidine	0	0	0	0.05	0.05	0.31	
Diethyl Phthalate	0	0	0	N/A	N/A	N/A	
Dimethyl Phthalate	0	0	0	N/A	N/A	N/A	
Di-n-Butyl Phthalate	0	0	0	N/A	N/A	N/A	
2,4-Dinitrotoluene	0	0	0	0.05	0.05	0.31	
2,6-Dinitrotoluene	0	0	0	0.05	0.05	0.31	
1,2-Diphenylhydrazine	0	0	0	0.03	0.03	0.18	
Fluoranthene	0	0	0	N/A	N/A	N/A	
Fluorene	0	0	0	N/A	N/A	N/A	
Hexachlorobenzene	0	0	0	0.00008	0.00008	0.0005	
Hexachiorobutadiene	0	0	0	0.01	0.01	0.061	
Hexachiorocyclopentadiene	0	0	0	N/A	N/A	N/A	
Hexachloroethane	0	0	0	0.1	0.1	0.61	
Indeno(1,2,3-cd)Pyrene	0	0	0	0.001	0.001	0.006	
Isophorone	0	0	0	N/A	N/A	N/A	
Naphthalene	0	0	0	N/A	N/A	N/A	
Nitrobenzene	0	0	0	N/A	N/A	N/A	
n-Ntrosodimethylamine	0	0	0	0.0007	0.0007	0.004	
n-Nitrosodi-n-Propylamine	0	0	0	0.005	0.005	0.031	
n-Nitrosodiphenylamine	0	0	0	3.3	3.3	20.2	
Phenanthrene	0	0	0	N/A	N/A	N/A	
Pyrene	0	0	0	N/A	N/A	N/A	
1,2,4-Trichlorobenzene	0	0	0	N/A	NA	N/A	

✓ Recommended WQ8ELs & Monitoring Requirements

No. Samples/Month: 4

Mass Limits

AML

MDL

TOD AUTHOR	report	report	REPORT	report	neport	POL	020	Aro	Discharge Control 10% WQBEL (No For)
	•	•	•	•	•	•	•	•	•
Total Copper	0.14	0.22	15.3	23.9	38.3	µg/L	15.3	AFC	Discharge Conc ≥ 50% WQBEL (RP)
Free Cyanide	0.063	0.098	6.82	10.6	17.1	µg/L	6.82	THH	Discharge Conc ≥ 50% WQBEL (RP)
Total Silver	Report	Report	Report	Report	Report	µg/L	4.14	AFC	Discharge Conc > 10% WQBEL (no RP
Total Zinc	1.2	1.87	131	204	327	µg/L	131	AFC	Discharge Conc ≥ 50% WQBEL (RP)
4,6-Dinitro-o-Cresol	0.031	0.049	3.41	5.32	8.53	µg/L	3.41	THH	Discharge Conc ≥ 50% WQBEL (RP)
2,4-Dinitrophenol	0.16	0.24	17.1	26.6	42.6	µg/L	17.1	THH	Discharge Conc ≥ 50% WQBEL (RP)
Benzidine	0.000006	0.000009	0.0006	0.001	0.002	µg/L	0.0006	CRL	Discharge Conc ≥ 50% WQBEL (RP)
Bis(2-Ethylhexyl)Phthalate	0.018	0.028	1.96	3.06	4.9	µg/L	1.96	CRL	Discharge Conc ≥ 50% WQBEL (RP)
3,3-Dichlorobenzidine	0.003	0.004	0.31	0.48	0.77	µg/L	0.31	CRL	Discharge Conc ≥ 50% WQBEL (RP)
Hexachiorobutadiene	0.0006	0.0009	0.061	0.095	0.15	µg/L	0.061	CRL	Discharge Conc ≥ 50% WQBEL (RP)

Concentration Limits

IMAX

Governing

WQBEL

WQBEL

Comments

Other Pollutants without Limits or Monitoring

The following pollutants do not require effluent limits or monitoring based on water quality because reasonable potential to exceed water quality criteria was not determined and the discharge concentration was less than thresholds for monitoring, or the pollutant was not detected and a sufficiently sensitive analytical method was used (e.g., <= Target QL).

Pollutants	Governing WQBEL	Units	Comments
Total Dissolved Solids (PWS)	N/A	N/A	PWS Not Applicable
Chloride (PWS)	N/A	N/A	PWS Not Applicable
Bromide	N/A	N/A	No WQS
Sulfate (PWS)	N/A	N/A	PWS Not Applicable
Total Antimony	N/A	N/A	Discharge Conc < TQL
Total Arsenic	N/A	N/A	Discharge Conc < TQL
Total Barlum	4,092	µg/L	Discharge Conc ≤ 10% WQBEL
Total Beryllium	N/A	N/A	No WQS
Total Boron	2,728	µg/L	Discharge Conc ≤ 10% WQBEL
Total Cadmium	0.46	µg/L	Discharge Conc < TQL
Total Chromium (III)	147	µg/L	Discharge Conc ≤ 10% WQBEL
Hexavalent Chromium	17.7	µg/L	Discharge Conc < TQL
Total Cobalt	32.4	µg/L	Discharge Conc ≤ 10% WQBEL
Total Cyanide	N/A	N/A	No WQS
Dissolved Iron	512	µg/L	Discharge Conc ≤ 10% WQBEL
Total Iron	2,558	µg/L	Discharge Conc ≤ 10% WQBEL
Total Lead	5.43	µg/L	Discharge Conc < TQL
Total Manganese	1,705	μg/L	Discharge Conc ≤ 10% WQBEL
Total Mercury	0.085	µg/L	Discharge Conc < TQL
Total Nickel	88.9	µg/L	Discharge Conc ≤ 10% WQBEL
Total Phenois (Phenolics) (PW8)		µg/L	PW8 Not Applicable
Total Selenium	8.51	μg/L	Discharge Conc ≤ 10% WQBEL
Total Thallum	0.41	µg/L	Discharge Conc < TQL
Total Molybdenum	N/A	N/A	No WQS
Acrolein	3.28	µg/L	Discharge Conc < TQL
Acrylonitrile	0.37	μg/L	Discharge Conc < TQL
Benzene	3.55	µg/L	Discharge Conc < TQL
Bromoform	42.8	µg/L	Discharge Conc < TQL
Carbon Tetrachloride	2.45	μgL	Discharge Conc < TQL

Chlorobenzene	171	µg/L	Discharge Conc < TQL
Chlorodibromomethane	4.9	µg/L	Discharge Conc < TQL
Chloroethane	N/A	N/A	No WQS
2-Chloroethyl Vinyl Ether	5,968	μg/L	Discharge Conc < TQL
Chloroform	34.9	μg/L	Discharge Conc ≤ 25% WQBEL
Dichlorobromomethane	5.81	μg/L	Discharge Conc ≤ 25% WQBEL
1,1-Dichloroethane	N/A	N/A	No WQS
1,2-Dichloroethane	60.6	μg/L	Discharge Conc < TQL
1,1-Dichloroethylene	56.3	μg/L	Discharge Conc < TQL
1,2-Dichloropropane	5.51	μg/L	Discharge Conc < TQL
1,3-Dichioropropylene	1.65	µg/L	Discharge Conc < TQL
1,4-Dioxane	N/A	N/A	No WQS
Ethylbenzene	116	μg/L	Discharge Conc < TQL
Methyl Bromide	171	μg/L	Discharge Conc < TQL
Methyl Chloride	9,378	μg/L	Discharge Conc < TQL
Methylene Chloride	122	μg/L	Discharge Conc < TQL
1,1,2,2-Tetrachloroethane	1.22	μg/L	Discharge Conc < TQL
Tetrachioroethylene	61.2	µg/L	Discharge Conc < TQL
Toluene	97.2	µg/L	Discharge Conc < TQL
1,2-trans-Dichloroethylene	171	μg/L	Discharge Conc < TQL
1,1,1-Trichloroethane	1,040	μg/L	Discharge Conc < TQL
1,1,2-Trichloroethane	3.37	µg/L	Discharge Conc < TQL
Trichioroethylene	3.67	μg/L	Discharge Conc < TQL
Vinyl Chloride	0.12	μg/L	Discharge Conc < TQL
2-Chiorophenol	51.2	µg/L	Discharge Conc < TQL
2,4-Dichlorophenol	17.1	μg/L	Discharge Conc < TQL
2,4-Dimethylphenol	171	µg/L	Discharge Conc < TQL
2-Nitrophenol	2,728	μg/L	Discharge Conc < TQL
4-Ntrophenol	801	µg/L	Discharge Conc < TQL
p-Chloro-m-Cresol	175	µg/L	Discharge Conc < TQL
Pentachlorophenol	0.18	μg/L	Discharge Conc < TQL
Phenoi	6,821	μgL	Discharge Conc < TQL
2,4,6-Trichiorophenol	9.18	μgL	Discharge Conc < TQL
Acenaphthene	29.0	μgL	Discharge Conc < TQL
Acenaphthylene	N/A	N/A	No WQS
Anthracene	512	µg/L	Discharge Conc < TQL
Benzo(a)Anthracene	0.006	μg/L	Discharge Conc < TQL
Benzo(a)Pyrene	0.0006	μgL	Discharge Conc < TQL
3,4-Benzofluoranthene	0.006	μg/L	Discharge Conc < TQL
Benzo(ghl)Perylene	N/A	N/A	No WQS
Benzo(k)Fluoranthene	0.061	μg/L	Discharge Conc < TQL
Bis(2-Chioroethoxy)Methane	N/A	N/A	No WQS
Bis(2-Chloroethyl)Ether	0.18	μg/L	Discharge Conc < TQL
Bis(2-Chioroisopropyl)Ether	341	μg/L	Discharge Conc < TQL
4-Bromophenyl Phenyl Ether	92.1	μg/L	Discharge Conc < TQL
			-

Butyl Benzyl Phthalate	0.17	µgL	Discharge Conc < TQL
2-Chioronaphthalene	1,364	µg/L	Discharge Conc < TQL
4-Chlorophenyl Phenyl Ether	N/A	N/A	No WQS
Chrysene	0.73	µg/L	Discharge Conc < TQL
Dibenzo(a,h)Anthrancene	0.0006	μg/L	Discharge Conc < TQL
1,2-Dichlorobenzene	273	µg/L	Discharge Conc < TQL
1,3-Dichlorobenzene	11.9	μg/L	Discharge Conc < TQL
1,4-Dichlorobenzene	256	μgL	Discharge Conc ≤ 25% WQBE
Diethyl Phthalate	1,023	μg/L	Discharge Conc ≤ 25% WQBE
Dimethyl Phthalate	853	μg/L	Discharge Conc < TQL
Di-n-Butyl Phthalate	34.1	μg/L	Discharge Conc ≤ 25% WQBE
2,4-Dinitrotoluene	0.31	μg/L	Discharge Conc < TQL
2,6-Dinitrotoluene	0.31	μg/L	Discharge Conc < TQL
Di-n-Octyl Phthalate	N/A	NA	No WQS
1,2-Diphenylhydrazine	0.18	µg/L	Discharge Conc < TQL
Fluoranthene	34.1	μgL	Discharge Conc < TQL
Fluorene	85.3	μg/L	Discharge Conc < TQL
Hexachlorobenzene	0.0005	µg/L	Discharge Conc < TQL
Hexachiorocyclopentadiene	1.71	µg/L	Discharge Conc < TQL
Hexachioroethane	0.61	μgL	Discharge Conc < TQL
Indeno(1,2,3-cd)Pyrene	0.006	μg/L	Discharge Conc < TQL
Isophorone	58.0	µg/L	Discharge Conc < TQL
Naphthalene	73.3	µg/L	Discharge Conc ≤ 25% WQBE
Nitrobenzene	17.1	μg/L	Discharge Conc < TQL
n-Nitrosodimethylamine	0.004	μg/L	Discharge Conc < TQL
n-Nitrosodi-n-Propylamine	0.031	μg/L	Discharge Conc < TQL
n-Nitrosodiphenylamine	20.2	µg/L	Discharge Conc < TQL
Phenanthrene	1.71	μg/L	Discharge Conc < TQL
Pyrene	34.1	μg/L	Discharge Conc < TQL
1,2,4-Trichlorobenzene	0.12	µg/L	Discharge Conc < TQL

Attachment B WQM Model

WQM 7.0 Effluent Limits

	SWP Basin S 031	tream Code 391	WE	<u>Stream Name</u> ST BRANCH RED CL	-		
RMI	Name	Permit Number	Disc Flow (mgd)	Parameter	Effl. Limit 30-day Ave. (mg/L)	Effl. Limit Maximum (mg/L)	Effl. Limit Minimum (mg/L)
3.780	Kennett Sq Bor	o PA0024058	1.100	CBOD5	17		
				NH3-N	2	4	
				Dissolved Oxygen			6

WQM 7.0 Wasteload Allocations

3	SWP Basin	Strea	am Code			Strea	m Name			
	031		391		WEST	BRANCH	RED CL	AY CREEK		
NH3-N A	Acute Alloca	ation	ıs							
RMI	Discharge N	lame	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multi Crite (mg	rion	Multiple WLA (mg/L)	Critical Reach	Percent Reduction	n
3.780	0 Kennett Sq Bo	oro	7.55		4	7.55	4	0	0	-
RMI	Chronic Allo Discharge Na		ONS Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multipl Criteri (mg/l	on 1	ultiple WLA mg/L)	Critical Reach	Percent Reduction	_
RMI		me	Baseline Criterion	WLA (mg/L)	Criteri	on 1	WLA	Reach		-
RMI 3.780	Discharge Na	oro	Baseline Criterion (mg/L)	WLA (mg/L)	Criteri (mg/l	on (WLA mg/L)	Reach	Reduction	-
RMI 3.780	Discharge Na 0 Kennett Sq Bo	oro Alloc	Baseline Criterion (mg/L) 1.59	WLA (mg/L)	Criteri (mg/l 2	on (1.59 1.59 H3-N e Multip	WLA mg/L) 2 Disso	Reach O Olived Oxygen ine Multiple	0 Critical	Percent Reduction

WQM 7.0 D.O.Simulation

SWP Basin 03I	Stream Code 391		WEST BR	Stream Name	AY CREEK	τ
<u>RMI</u>	Total Discharge	Flow (mgd) Ana	lysis Temperatu	re (°C)	Analysis pH
3.780	1.10	0		22.932		7.000
Reach Width (ft)	Reach De	pth (ft)		Reach WDRati	0	Reach Velocity (fps)
21.650	0.59	6		36.298		0.225
Reach CBOD5 (mg/L)	Reach Ko	(1/days)	R	each NH3-N (m	3/L)	Reach Kn (1/days)
10.80	1.29			1.17		0.877
Reach DO (mg/L)	Reach Kr			Kr Equation		Reach DO Goal (mg/L)
6.928	8.33	7	Tsivoglou			6
<u>leach Travel Time (days</u> 0.707	7ravTime (days) 0.071 0.141 0.212 0.283	9.72 8.76 7.89 7.10	NH3-N (mg/L) 1.10 1.04 0.97 0.92	D.O. (mg/L) 6.26 6.02 6.01 6.11		
	0.354		0.86	6.27		
	0.424		0.81	6.45		
	0.495		0.76	6.63		
	0.566		0.71	6.81		
	0.636		0.67	6.97		
	0.707	3.79	0.63	7.12		

Input Data WQM 7.0

	SWP Basin	Strea Cod		Stre	eam Name		RM		vation (ft)	Draina Area (sq m	i	Slope (ft/ft)	PW Withda (mg	rawal	Apply FC
	031	;	391 WEST	BRANCI	H RED CLA	Y CREEK	3.7	80	287.00	(9.84 0	0.00000		0.00	~
					St	ream Dat	а								
Design	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tem	<u>Tributar</u> p	<u>rv</u> pH	Tem	Stream p	<u>p</u> H	
Cond.	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	(°C)		(°C)		
Q7-10 Q1-10 Q30-10	0.100	0.00 0.00 0.00	0.00	0.000 0.000 0.000		0.0	0.00	0.0	00 2	0.00	7.00	1	0.00	0.00	
					Di	scharge l	Data								
			Name	Per	mit Number	Existing Disc Flow (mgd)	Permit Disc Flow (mgc	Dis Flo	c Res	erve	Disc Temp (°C)		sc H		
		Kenn	ett Sq Boro	PA	0024058	1.100	0 1.10	0.0	0000	0.000	25.	00	7.00		
					Pa	rameter	Data								
				Paramete	r Namo	_		Trib Conc	Stream Conc	Fate Coef					
				aramete	rivame	(m	g/L) (mg/L)	(mg/L)	(1/day	s)				
			CBOD5				17.00	2.00	0.00	1.8	50				
			Dissolved	Oxygen			6.00	8.24	0.00	0.0	00				
			NH3-N				2.00	0.00	0.00	0.3	70				

Input Data WQM 7.0

					ııı P	ut Dut	4 11 411	11.0						
	SWP Basin			Stre	eam Name		RMI	Eleva (ft		Drainage Area (sq mi)	Slope (ft/ft)	PW: Withdr (mg	awal	Appl FC
	031	3	91 WEST	BRANCE	H RED CLA	Y CREEK	1.18	30 2	237.00	14.00	0.00000		0.00	v
					St	ream Dat	ta							
Design	LFY	Trib Flow	Stream Flow	Rch Trav	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tem	Tributary p pH	Ten	Stream np	рH	
Cond.	(cfsm)	(cfs)	(cfs)	Time (days)	(fps)		(ft)	(ft)	(°C)	(°C	;)		
Q7-10 Q1-10 Q30-10	0.100	0.00 0.00 0.00	1.91 0.00 0.00	0.000 0.000 0.000	0.000 0.000 0.000	0.0	0.00	0.00	2	0.00 7.	00	0.00	0.00	
			Name	Per	Di mit Number	Disc		Flow	Res Fa	Dis erve Ten ctor (°C	np p	isc oH		
						0.000		0.000	00 (0.000 2	25.00	7.00		
					Pa	arameter								
			1	Paramete	r Name	С	onc C	Conc (tream Conc	Fate Coef				
	_					(m	ng/L) (n	ng/L) (i	mg/L)	(1/days)		.		
			CBOD5				25.00	2.00	0.00	1.50				
			Dissolved	Oxygen			3.00	8.24	0.00	0.00				
	L_		NH3-N				25.00	0.00	0.00	0.70				

WQM 7.0 Hydrodynamic Outputs

	SWP Basin		Strea	m Code				Stream	Name			
		031		391		W	EST BRA	ANCH RE	ED CLAY	CREEK		
RMI	Stream Flow	PWS With	Net Stream Flow	Disc Analysis Flow	Reach Slope	Depth	Width	W/D Ratio	Velocity	Reach Trav Time	Analysis Temp	Analysis pH
	(cfs)	(cfs)	(cfs)	(cfs)	(ft/ft)	(ft)	(ft)		(fps)	(days)	(°C)	
Q7-1	0 Flow											
3.780	1.20	0.00	1.20	1.7017	0.00364	.596	21.65	36.3	0.22	0.707	22.93	7.00
Q1-1	0 Flow											
3.780	0.77	0.00	0.77	1.7017	0.00364	NA	NA	NA	0.21	0.774	23.45	7.00
Q30-	10 Flow	,										
3.780	1.63	0.00	1.63	1.7017	0.00364	NA	NA	NA	0.24	0.654	22.55	7.00

WQM 7.0 Modeling Specifications

Parameters	Both	Use Inputted Q1-10 and Q30-10 Flows	~
WLA Method	EMPR	Use Inputted W/D Ratio	
Q1-10/Q7-10 Ratio	0.64	Use Inputted Reach Travel Times	
Q30-10/Q7-10 Ratio	1.36	Temperature Adjust Kr	v
D.O. Saturation	90.00%	Use Balanced Technology	~
D.O. Goal	6		

Attachment C WETT Spreadsheet

	WET S	ummary an	d Evaluation							
Facility Name	Kennett Square									
Permit No.	PA0024058									
Design Flow (MGD)	1.1									
Q ₇₋₁₀ Flow (cfs)	1.2									
PMF _a	1									
PMF _o	1									
			Test Result	s (Pass/Fail)						
		Test Date		Test Date	Test Date					
Species	Endpoint	1/22/19	4/9/19	8/7/19	6/23/20					
Pimephales	Survival	PASS	PASS	PASS	PASS					
			Took Doorell	- /D/F-il)						
		Test Results (Pass/Fail) Test Date Test Date Test Date Test Date								
ei	Fadacia	1/22/19	4/9/19	8/7/19	6/23/20					
Species Pimephales	Endpoint Growth	PASS	PASS	PASS	PASS					
rimephales	Growth	FASS	FASS	FASS	PASS					
			Test Result	s (Pass/Fail)						
		Test Date		Test Date	Test Date					
Species	Endpoint	1/22/19	4/9/19	8/7/19	6/23/20					
Ceriodaphnia	Survival	PASS	PASS	PASS	PASS					
		Test Results (Pass/Fail)								
		Test Date		Test Date	Test Date					
Species	Endpoint	1/22/19	4/9/19	8/7/19	6/23/20					
Ceriodaphnia	Reproduction	PASS	PASS	PASS	PASS					
Reasonable Potentia	? NO									
Reasonable Potential	i NO									
Permit Recommenda	tions									
Test Type	Chronic									
TIWC	59	% Effluent								
Dilution Series	15, 30,		0 % Effluent							
Permit Limit	None									
Permit Limit Species										