

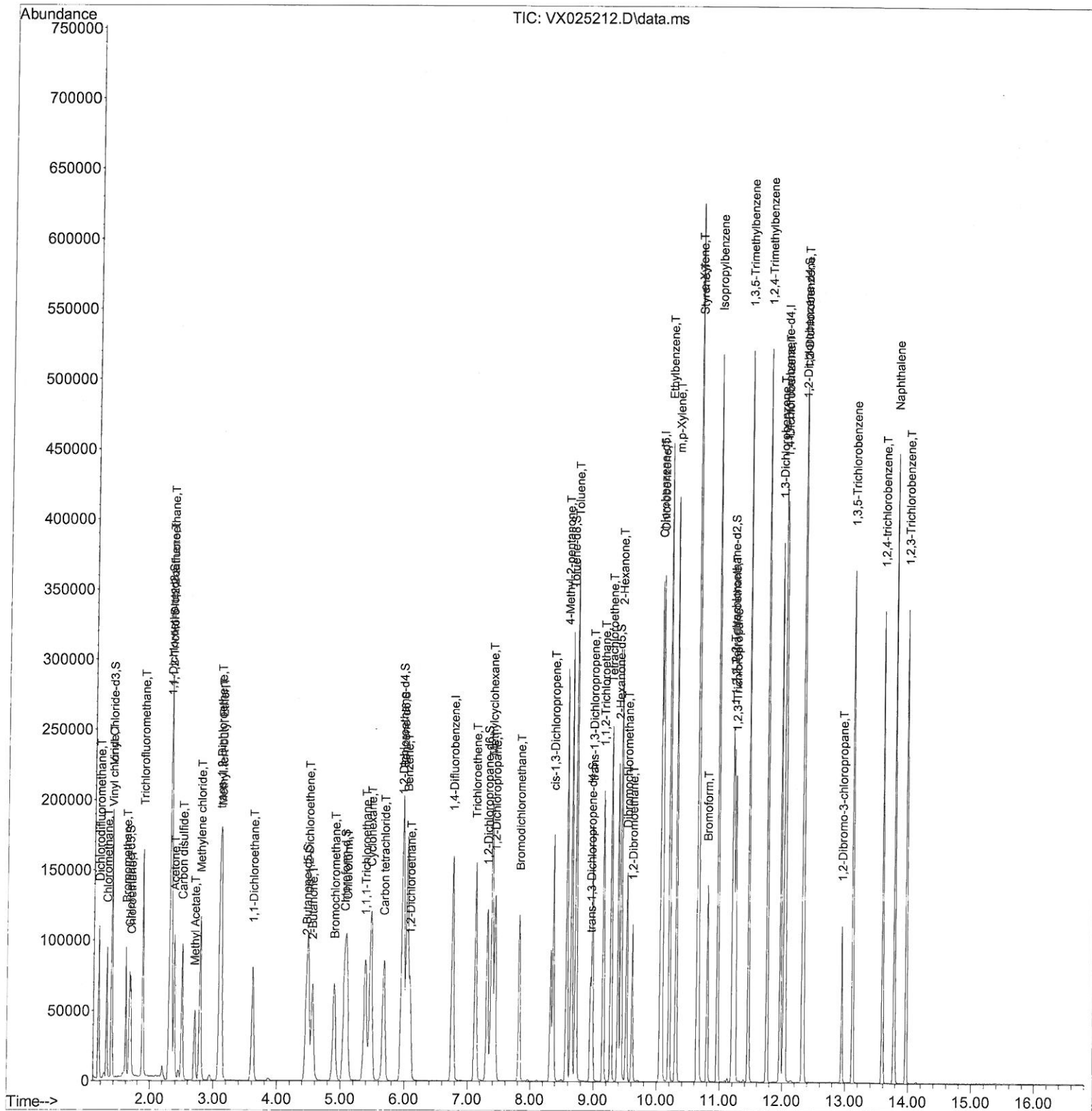
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
Data File : VX025212.D
Acq On : 18 Nov 2021 14:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampled :
VSTDCCC050

Manual IntegrationsAPPROVED

Quant Time: Nov 19 05:19:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 12 12:01:23 2021
Response via : Initial Calibration

Reviewed By :John Carlone 11/19/2021
Supervised By :Mahesh Dadoda 11/22/2021



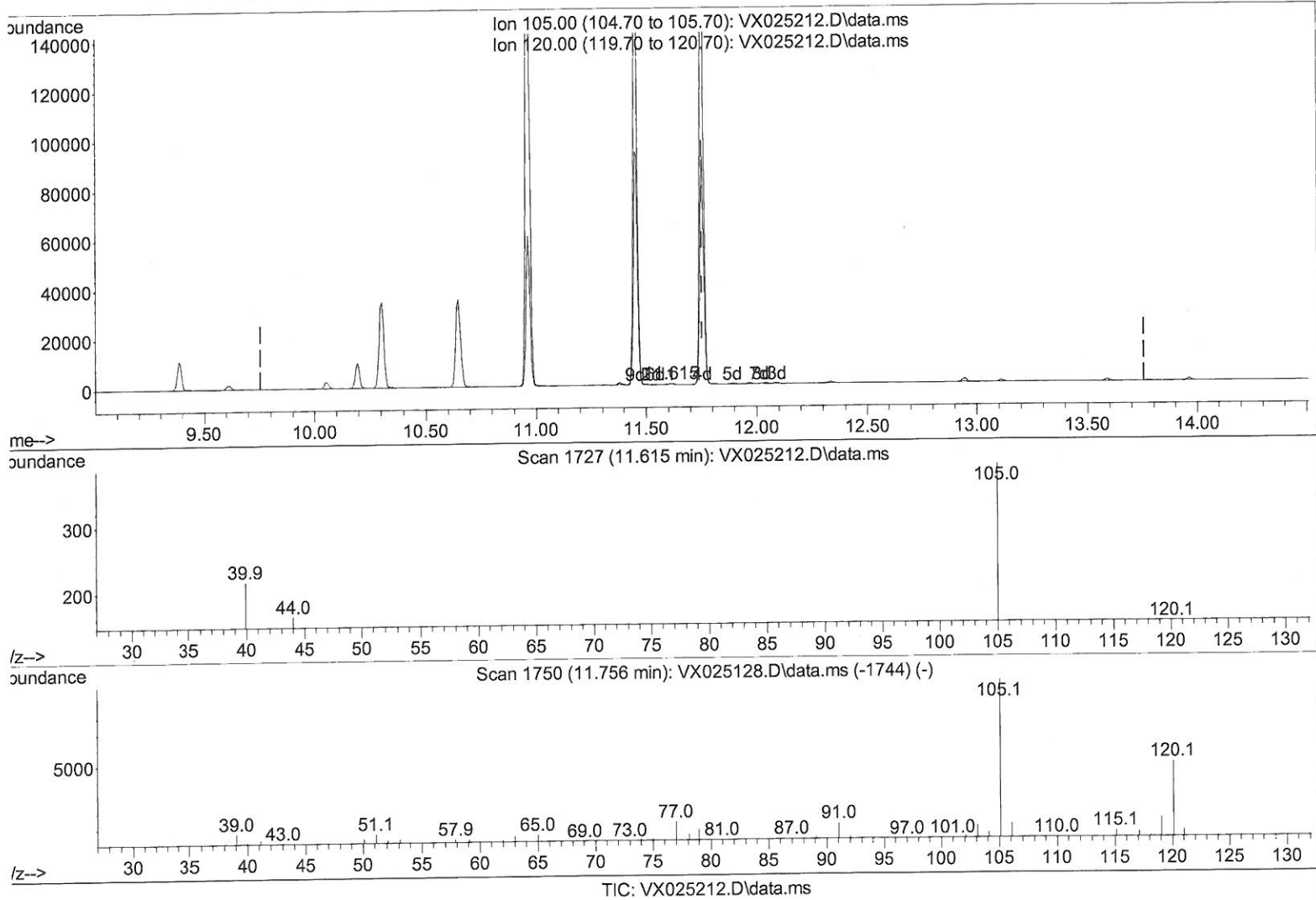
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(63) 1,2,4-Trimethylbenzene

11.615min (-0.141) 0.10 ug/L

response 521

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	34.74
0.00	0.00	0.00
0.00	0.00	0.00

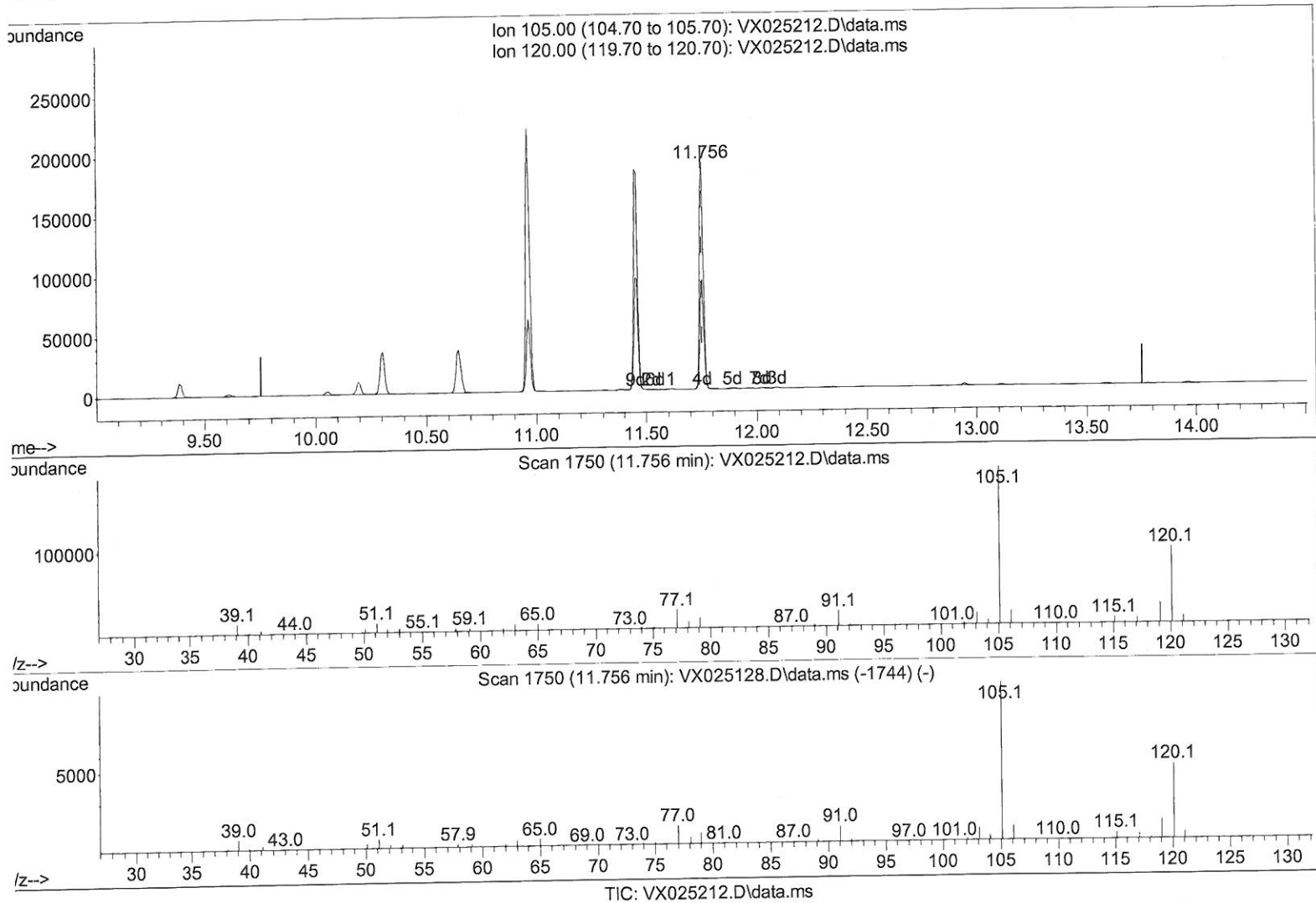
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(63) 1,2,4-Trimethylbenzene

11.756min (-0.000) 44.90 ug/L m

response 229330

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	38.80	0.08#
0.00	0.00	0.00
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	176199	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	163022	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83916	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	58990	49.556	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.120%		
7) Chloroethane-d5	1.660	69	47307	69.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	139.460%#		
11) 1,1-Dichloroethene-d2	2.306	63	94073	45.949	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.900%		
21) 2-Butanone-d5	4.458	46	86992	96.706	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.710%		
24) Chloroform-d	5.056	84	101670	48.550	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.100%		
26) 1,2-Dichloroethane-d4	5.958	65	61032	48.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.160%		
32) Benzene-d6	5.976	84	205229	46.125	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.260%		
36) 1,2-Dichloropropane-d6	7.311	67	62179	45.768	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.540%		
41) Toluene-d8	8.653	98	193154	45.458	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.920%		
43) trans-1,3-Dichloroprop...	8.951	79	32537	44.118	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.240%		
47) 2-Hexanone-d5	9.384	63	66903	91.706	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.710%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	89664	45.823	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.640%		
66) 1,2-Dichlorobenzene-d4	12.323	152	78422	47.143	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.280%		
Target Compounds						
2) Dichlorodifluoromethane	1.166	85	55879	40.578	ug/L	98
3) Chloromethane	1.294	50	53974	36.204	ug/L	87
5) Vinyl chloride	1.373	62	64765	42.127	ug/L	97
6) Bromomethane	1.599	94	32838	55.662	ug/L	96
8) Chloroethane	1.684	64	41397	53.622	ug/L	99
9) Trichlorofluoromethane	1.886	101	101300	45.142	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.324	101	52178	44.871	ug/L	96
12) 1,1-Dichloroethene	2.318	96	48028	42.751	ug/L	82
13) Acetone	2.379	43	102718	121.731	ug/L	98
14) Carbon disulfide	2.507	76	121061	34.974	ug/L	99
15) Methyl Acetate	2.702	43	58206	42.368	ug/L #	81
16) Methylene chloride	2.788	84	54938	44.207	ug/L	86
17) trans-1,2-Dichloroethene	3.093	96	50682	41.540	ug/L	89
18) Methyl tert-butyl Ether	3.117	73	171241	44.904	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	90839	44.015	ug/L	94
20) cis-1,2-Dichloroethene	4.489	96	59308	43.934	ug/L	99
22) 2-Butanone	4.556	43	117918	104.980	ug/L	86
23) Bromochloromethane	4.897	128	31059	44.689	ug/L #	74

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25) Chloroform	5.092	83	97919	46.290	ug/L	98
27) 1,2-Dichloroethane	6.086	62	72799	46.938	ug/L #	86
29) Cyclohexane	5.470	56	84768	40.701	ug/L	88
30) 1,1,1-Trichloroethane	5.385	97	88592	44.224	ug/L #	94
31) Carbon tetrachloride	5.678	117	80237	45.360	ug/L	98
33) Benzene	6.037	78	216492	43.224	ug/L	100
34) Trichloroethene	7.122	95	58165	44.441	ug/L	83
35) Methylcyclohexane	7.378	83	93699	42.335	ug/L	93
37) 1,2-Dichloropropane	7.433	63	55213	44.006	ug/L	99
38) Bromodichloromethane	7.823	83	75003	44.174	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	88255	42.839	ug/L	97
40) 4-Methyl-2-pentanone	8.573	43	171458	85.985	ug/L #	84
42) Toluene	8.720	91	238071	43.762	ug/L	95
44) trans-1,3-Dichloropropene	8.976	75	85248	42.517	ug/L	98
45) 1,1,2-Trichloroethane	9.152	97	56350	44.477	ug/L	99
46) Tetrachloroethene	9.274	164	49233	45.085	ug/L	91
48) 2-Hexanone	9.433	43	158667	97.075	ug/L #	84
49) Dibromochloromethane	9.524	129	66081	45.690	ug/L	100
50) 1,2-Dibromoethane	9.610	107	61155	45.102	ug/L #	98
51) Chlorobenzene	10.079	112	159497	45.629	ug/L	97
52) Ethylbenzene	10.195	91	259242	44.332	ug/L	92
53) m,p-Xylene	10.305	106	106965	45.243	ug/L	76
54) o-Xylene	10.646	106	104208	44.667	ug/L	79
55) Styrene	10.658	104	176947	44.666	ug/L	80
57) 1,1,2,2-Tetrachloroethane	11.213	83	86428	42.967	ug/L	97
59) Bromoform	10.799	173	51276	45.214	ug/L #	96
60) Isopropylbenzene	10.963	105	269923	44.984	ug/L	94
61) 1,2,3-Trichloropropane	11.244	75	69678	44.096	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	229187	45.018	ug/L	88
63) 1,2,4-Trimethylbenzene	11.756	105	229330m	44.899	ug/L	94
64) 1,3-Dichlorobenzene	11.969	146	126003	46.065	ug/L	94
65) 1,4-Dichlorobenzene	12.042	146	125695	45.994	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	125458	46.179	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.944	75	19786	43.295	ug/L #	68
69) 1,3,5-Trichlorobenzene	13.115	180	92647	46.817	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	81674	47.315	ug/L	97
71) Naphthalene	13.780	128	276323	47.206	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	82048	47.946	ug/L	96

MD
 11/23/21

(#) = qualifier out of range (m) = manual integration (+) = signals summed