

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021563.D
 Acq On : 19 Mar 2025 10:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 20 01:28:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/20/2025
 Supervised By :Semsettin Yesilyurt 03/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	226119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	348154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118792	49.705	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.400%		
35) Dibromofluoromethane	7.634	113	113432	49.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.140%		
50) Toluene-d8	10.109	98	420349	48.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.020%		
62) 4-Bromofluorobenzene	12.408	95	146634	49.750	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	89095	42.937	ug/l	97
3) Chloromethane	2.068	50	136911	46.800	ug/l	100
4) Vinyl Chloride	2.202	62	159791	49.982	ug/l	98
5) Bromomethane	2.592	94	106863	46.249	ug/l	99
6) Chloroethane	2.733	64	110763	52.427	ug/l	98
7) Trichlorofluoromethane	3.056	101	243199	54.501	ug/l	99
8) Diethyl Ether	3.458	74	68788	55.626	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	131628	51.666	ug/l	100
10) Methyl Iodide	4.001	142	146226	56.464	ug/l	99
11) Tert butyl alcohol	4.854	59	48118	315.573	ug/l	97
12) 1,1-Dichloroethene	3.787	96	120627	51.933	ug/l	98
13) Acrolein	3.653	56	5724	47.087	ug/l	91
14) Allyl chloride	4.385	41	212294	56.557	ug/l	99
15) Acrylonitrile	5.055	53	146008	277.362	ug/l	99
16) Acetone	3.866	43	148021	283.963	ug/l	96
17) Carbon Disulfide	4.104	76	360641	49.543	ug/l	100
18) Methyl Acetate	4.385	43	92363	79.857	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	306526	52.067	ug/l	97
20) Methylene Chloride	4.616	84	138173	50.497	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	124452	47.843	ug/l	99
22) Diisopropyl ether	6.019	45	406556	50.257	ug/l	97
23) Vinyl Acetate	5.958	43	1140637	247.067	ug/l	99
24) 1,1-Dichloroethane	5.915	63	232280	48.651	ug/l	99
25) 2-Butanone	6.890	43	183054	253.864	ug/l	98
26) 2,2-Dichloropropane	6.884	77	212268	48.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	147810	50.018	ug/l	97
28) Bromochloromethane	7.244	49	104200	52.058	ug/l	97
29) Tetrahydrofuran	7.262	42	120440	270.559	ug/l	100
30) Chloroform	7.421	83	246781	49.777	ug/l	99
31) Cyclohexane	7.695	56	194725	43.504	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	222931	49.110	ug/l	98
36) 1,1-Dichloropropene	7.835	75	170066	47.476	ug/l	99
37) Ethyl Acetate	6.982	43	82678	52.220	ug/l	97
38) Carbon Tetrachloride	7.817	117	202992	49.273	ug/l	98
39) Methylcyclohexane	9.109	83	204536	46.549	ug/l	99
40) Benzene	8.079	78	513647	48.676	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	45793	53.118	ug/l #	95
42) 1,2-Dichloroethane	8.158	62	147732	50.044	ug/l	100
43) Isopropyl Acetate	8.195	43	158760	51.654	ug/l #	88
44) Trichloroethene	8.866	130	130997	49.126	ug/l	97
45) 1,2-Dichloropropane	9.140	63	125229	49.863	ug/l	94
46) Dibromomethane	9.231	93	71733	51.334	ug/l	99
47) Bromodichloromethane	9.420	83	190534	51.343	ug/l	100
48) Methyl methacrylate	9.219	41	76059	53.891	ug/l	99
49) 1,4-Dioxane	9.225	88	16725	1219.390	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	434092	273.730	ug/l	100
52) Toluene	10.170	92	329512	49.530	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	171066	52.322	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	195358	50.327	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	95303	52.137	ug/l	97
56) Ethyl methacrylate	10.438	69	128569	55.150	ug/l	99
57) 1,3-Dichloropropane	10.719	76	163641	51.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	309947	288.010	ug/l	99
59) 2-Hexanone	10.762	43	295169	281.489	ug/l	100
60) Dibromochloromethane	10.908	129	129426	51.647	ug/l	100
61) 1,2-Dibromoethane	11.012	107	89067	51.628	ug/l	99
64) Tetrachloroethene	10.646	164	137042	54.445	ug/l	99
65) Chlorobenzene	11.444	112	357500	48.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	130230	50.392	ug/l	98
67) Ethyl Benzene	11.518	91	636906	49.642	ug/l	100
68) m/p-Xylenes	11.627	106	484038	99.374	ug/l	99
69) o-Xylene	11.957	106	228190	50.831	ug/l	99
70) Styrene	11.969	104	386494	51.897	ug/l	100
71) Bromoform	12.133	173	75583	52.319	ug/l #	98
73) Isopropylbenzene	12.255	105	613949	48.610	ug/l	99
74) N-amyl acetate	12.072	43	144221	52.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	108624	48.737	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	81312m	50.327	ug/l	
77) Bromobenzene	12.530	156	143868	48.690	ug/l	99
78) n-propylbenzene	12.597	91	742125	48.382	ug/l	100
79) 2-Chlorotoluene	12.682	91	422179	48.135	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	503241	49.030	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34202	48.124	ug/l	99
82) 4-Chlorotoluene	12.780	91	437771	48.201	ug/l	100
83) tert-Butylbenzene	12.999	119	449647	49.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	506300	49.682	ug/l	100
85) sec-Butylbenzene	13.176	105	662218	48.609	ug/l	99
86) p-Isopropyltoluene	13.292	119	554702	49.423	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	283701	48.235	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	281207	48.887	ug/l	99
89) n-Butylbenzene	13.621	91	515446	49.735	ug/l	99
90) Hexachloroethane	13.883	117	115228	48.125	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	256681	50.918	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18031	54.008	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	151830	55.142	ug/l	100
94) Hexachlorobutadiene	15.023	225	88396	51.215	ug/l	98
95) Naphthalene	15.145	128	265010	56.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	131710	56.875	ug/l	100

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

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