

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021566.D
 Acq On : 19 Mar 2025 13:20
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Quant Time: Mar 20 01:29:39 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	191235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	298429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	266021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109431	54.141	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.280%			
35) Dibromofluoromethane	7.634	113	102360	52.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.109	98	379531	51.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.408	95	133036	52.657	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	37450	21.340	ug/l	100
3) Chloromethane	2.068	50	54393	21.984	ug/l	100
4) Vinyl Chloride	2.202	62	62241	23.020	ug/l	100
5) Bromomethane	2.586	94	44181	22.609	ug/l	94
6) Chloroethane	2.733	64	46123	25.814	ug/l	98
7) Trichlorofluoromethane	3.056	101	96890	25.674	ug/l	98
8) Diethyl Ether	3.458	74	23603	22.568	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	50038	23.223	ug/l	98
10) Methyl Iodide	4.007	142	44931	20.514	ug/l	98
11) Tert butyl alcohol	4.848	59	17839m	124.425	ug/l	
12) 1,1-Dichloroethene	3.793	96	43348	22.067	ug/l	92
13) Acrolein	3.659	56	10300	100.187	ug/l	96
14) Allyl chloride	4.385	41	65909	20.762	ug/l	99
15) Acrylonitrile	5.055	53	51847	116.456	ug/l	98
16) Acetone	3.867	43	46294	105.011	ug/l	92
17) Carbon Disulfide	4.104	76	121343	19.710	ug/l	98
18) Methyl Acetate	4.379	43	24518	25.065	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	116997	23.498	ug/l	96
20) Methylene Chloride	4.610	84	53108	22.950	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	48194	21.907	ug/l	99
22) Diisopropyl ether	6.019	45	153063	22.373	ug/l	98
23) Vinyl Acetate	5.958	43	422145	108.118	ug/l	98
24) 1,1-Dichloroethane	5.915	63	94064	23.296	ug/l	97
25) 2-Butanone	6.890	43	67669	110.964	ug/l	100
26) 2,2-Dichloropropane	6.884	77	77923	20.974	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	56939	22.783	ug/l	98
28) Bromochloromethane	7.244	49	36539	21.585	ug/l	100
29) Tetrahydrofuran	7.262	42	42445	112.742	ug/l	99
30) Chloroform	7.421	83	98952	23.600	ug/l	97
31) Cyclohexane	7.701	56	78636	20.773	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	88739	23.114	ug/l	99
36) 1,1-Dichloropropene	7.835	75	64613	21.043	ug/l	99
37) Ethyl Acetate	6.982	43	30878	22.752	ug/l	98
38) Carbon Tetrachloride	7.817	117	80368	22.758	ug/l	99
39) Methylcyclohexane	9.110	83	77386	20.547	ug/l	99
40) Benzene	8.079	78	203837	22.535	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	13284m	17.976	ug/l	
42) 1,2-Dichloroethane	8.158	62	59369	23.462	ug/l	99
43) Isopropyl Acetate	8.195	43	58262	22.115	ug/l #	86
44) Trichloroethene	8.866	130	52391	22.921	ug/l	92
45) 1,2-Dichloropropane	9.140	63	50695	23.549	ug/l	99
46) Dibromomethane	9.231	93	26876	22.438	ug/l	99
47) Bromodichloromethane	9.427	83	75726	23.806	ug/l	98
48) Methyl methacrylate	9.219	41	26363	21.792	ug/l	98
49) 1,4-Dioxane	9.231	88	5500	467.810	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	157019	115.511	ug/l	99
52) Toluene	10.170	92	129881	22.776	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	65750	23.461	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	77116	23.176	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	37329	23.824	ug/l	95
56) Ethyl methacrylate	10.439	69	44647	22.343	ug/l	96
57) 1,3-Dichloropropane	10.719	76	62865	23.149	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	107901	116.971	ug/l	98
59) 2-Hexanone	10.762	43	100806	112.152	ug/l	98
60) Dibromochloromethane	10.914	129	50602	23.557	ug/l	99
61) 1,2-Dibromoethane	11.018	107	34548	23.362	ug/l	99
64) Tetrachloroethene	10.646	164	55764	25.779	ug/l	97
65) Chlorobenzene	11.444	112	142420	22.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	48359	21.774	ug/l	98
67) Ethyl Benzene	11.524	91	242568	21.999	ug/l	100
68) m/p-Xylenes	11.627	106	182863	43.684	ug/l	99
69) o-Xylene	11.957	106	85563	22.178	ug/l	98
70) Styrene	11.969	104	147234	23.004	ug/l	99
71) Bromoform	12.133	173	30073	24.222	ug/l #	100
73) Isopropylbenzene	12.255	105	233714	21.284	ug/l	99
74) N-amyl acetate	12.072	43	49885	20.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	43260	22.325	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	32892m	23.415	ug/l	
77) Bromobenzene	12.536	156	52492	20.433	ug/l	99
78) n-propylbenzene	12.597	91	268133	20.106	ug/l	100
79) 2-Chlorotoluene	12.682	91	155414	20.381	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	194924	21.843	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12011	19.438	ug/l	98
82) 4-Chlorotoluene	12.780	91	162073	20.525	ug/l	99
83) tert-Butylbenzene	12.999	119	162559	20.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	192691	21.748	ug/l	100
85) sec-Butylbenzene	13.176	105	242690	20.490	ug/l	100
86) p-Isopropyltoluene	13.292	119	202494	20.751	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	112582	22.016	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	108976	21.790	ug/l	99
89) n-Butylbenzene	13.621	91	182277	20.229	ug/l	100
90) Hexachloroethane	13.883	117	43477	20.885	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	100252	22.874	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6866	23.654	ug/l	92
93) 1,2,4-Trichlorobenzene	14.926	180	54774	22.880	ug/l	98
94) Hexachlorobutadiene	15.029	225	32864	21.900	ug/l	97
95) Naphthalene	15.145	128	88241	23.770	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	46302	22.997	ug/l	98

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

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