

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
 Data File : VY021519.D
 Acq On : 13 Mar 2025 12:35
 Operator : SY/MD
 Sample : VY0313SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0313SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/17/2025
 Supervised By :Semsettin Yesilyurt 03/17/2025

Quant Time: Mar 14 14:55:45 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	190559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	296797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	261921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	117900	58.538	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.080%			
35) Dibromofluoromethane	7.634	113	112323	57.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.160%			
50) Toluene-d8	10.103	98	418231	56.620	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.240%			
62) 4-Bromofluorobenzene	12.408	95	142626	56.763	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	36423	20.829	ug/l	98
3) Chloromethane	2.068	50	56318	22.843	ug/l	97
4) Vinyl Chloride	2.202	62	63219	23.465	ug/l	92
5) Bromomethane	2.586	94	44145	22.671	ug/l	91
6) Chloroethane	2.732	64	44625	25.064	ug/l	95
7) Trichlorofluoromethane	3.056	101	87425	23.248	ug/l	100
8) Diethyl Ether	3.452	74	23058	22.125	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	46929	21.858	ug/l	99
10) Methyl Iodide	4.000	142	47350	21.696	ug/l	99
11) Tert butyl alcohol	4.860	59	16737	115.706	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	42503	21.713	ug/l	98
13) Acrolein	3.653	56	13661	133.350	ug/l	90
14) Allyl chloride	4.378	41	68559	21.673	ug/l	99
15) Acrylonitrile	5.055	53	51995	117.203	ug/l	99
16) Acetone	3.866	43	70052	159.466	ug/l	90
17) Carbon Disulfide	4.104	76	123271	20.095	ug/l	100
18) Methyl Acetate	4.385	43	23067	23.666	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	109622	22.095	ug/l	100
20) Methylene Chloride	4.616	84	51375	22.279	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	46736	21.319	ug/l	94
22) Diisopropyl ether	6.012	45	153673	22.542	ug/l	97
23) Vinyl Acetate	5.957	43	439561	112.978	ug/l	100
24) 1,1-Dichloroethane	5.915	63	90637	22.527	ug/l	99
25) 2-Butanone	6.890	43	84139	138.461	ug/l	99
26) 2,2-Dichloropropane	6.884	77	80902	21.853	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55653	22.347	ug/l	97
28) Bromochloromethane	7.244	49	36016	21.351	ug/l	100
29) Tetrahydrofuran	7.268	42	42392	113.001	ug/l	99
30) Chloroform	7.421	83	95199	22.786	ug/l	97
31) Cyclohexane	7.701	56	75202	19.936	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	84541	22.099	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66073	21.637	ug/l	99
37) Ethyl Acetate	6.982	43	29885	22.142	ug/l	99
38) Carbon Tetrachloride	7.817	117	77010	21.927	ug/l	98
39) Methylcyclohexane	9.109	83	74983	20.018	ug/l	99
40) Benzene	8.079	78	199905	22.222	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	18863	25.667	ug/l	91
42) 1,2-Dichloroethane	8.152	62	56427	22.422	ug/l	100
43) Isopropyl Acetate	8.195	43	57956	22.119	ug/l #	88
44) Trichloroethene	8.865	130	49691	21.859	ug/l	98
45) 1,2-Dichloropropane	9.140	63	48060	22.448	ug/l	96
46) Dibromomethane	9.231	93	27046	22.704	ug/l	100
47) Bromodichloromethane	9.426	83	72100	22.790	ug/l	99
48) Methyl methacrylate	9.219	41	25741	21.395	ug/l	95
49) 1,4-Dioxane	9.225	88	5610	479.790	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	156868	116.034	ug/l	98
52) Toluene	10.170	92	125931	22.205	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	61853	22.192	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	73940	22.344	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	34897	22.394	ug/l	97
56) Ethyl methacrylate	10.438	69	43123	21.699	ug/l	100
57) 1,3-Dichloropropane	10.719	76	61083	22.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	95805	104.429	ug/l	100
59) 2-Hexanone	10.761	43	117526	131.473	ug/l	99
60) Dibromochloromethane	10.914	129	48455	22.682	ug/l	99
61) 1,2-Dibromoethane	11.011	107	32780	22.289	ug/l	98
64) Tetrachloroethene	10.646	164	55268	25.949	ug/l	98
65) Chlorobenzene	11.444	112	135112	21.845	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	49521	22.646	ug/l	100
67) Ethyl Benzene	11.517	91	231563	21.330	ug/l	99
68) m/p-Xylenes	11.627	106	179430	43.535	ug/l	99
69) o-Xylene	11.956	106	80992	21.322	ug/l	97
70) Styrene	11.969	104	139214	22.092	ug/l	99
71) Bromoform	12.133	173	27403	22.417	ug/l #	96
73) Isopropylbenzene	12.255	105	222480	20.657	ug/l	99
74) N-amyl acetate	12.072	43	50548	21.611	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40133	21.116	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30033m	21.799	ug/l	
77) Bromobenzene	12.529	156	53044	21.052	ug/l	99
78) n-propylbenzene	12.597	91	275313	21.048	ug/l	100
79) 2-Chlorotoluene	12.682	91	156999	20.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	183562	20.973	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12537	20.686	ug/l	97
82) 4-Chlorotoluene	12.779	91	163390	21.097	ug/l	99
83) tert-Butylbenzene	12.999	119	161590	20.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	184821	21.268	ug/l	98
85) sec-Butylbenzene	13.176	105	244106	21.012	ug/l	99
86) p-Isopropyltoluene	13.291	119	198668	20.758	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	106797	21.293	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	104488	21.302	ug/l	99
89) n-Butylbenzene	13.621	91	185284	20.965	ug/l	100
90) Hexachloroethane	13.877	117	43334	21.224	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	94479	21.978	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6010	21.110	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	50644	21.569	ug/l	99
94) Hexachlorobutadiene	15.023	225	32494	22.077	ug/l	98
95) Naphthalene	15.145	128	78914	21.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	41545	21.038	ug/l	95

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

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