

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021239.D
 Acq On : 19 Feb 2025 16:12
 Operator : SY/MD
 Sample : VY0219SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0219SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/20/2025
 Supervised By :Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 00:18:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	181251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	290218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93836	50.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.060%			
35) Dibromofluoromethane	7.640	113	91802	49.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.720%			
50) Toluene-d8	10.115	98	347329	49.052	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.413	95	118801	51.356	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48074	29.759	ug/l	99
3) Chloromethane	2.074	50	50147	31.458	ug/l	95
4) Vinyl Chloride	2.208	62	50723	31.613	ug/l	99
5) Bromomethane	2.598	94	31115	31.376	ug/l	88
6) Chloroethane	2.738	64	29872	31.276	ug/l	95
7) Trichlorofluoromethane	3.068	101	78460	26.841	ug/l	97
8) Diethyl Ether	3.464	74	23318	25.553	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	45694	24.907	ug/l	96
10) Methyl Iodide	4.019	142	54194	26.589	ug/l	94
11) Tert butyl alcohol	4.872	59	15187	120.681	ug/l #	90
12) 1,1-Dichloroethene	3.799	96	44254	25.607	ug/l	91
13) Acrolein	3.665	56	15311	79.010	ug/l	94
14) Allyl chloride	4.390	41	76674	26.325	ug/l	97
15) Acrylonitrile	5.067	53	45966	120.965	ug/l	99
16) Acetone	3.878	43	34611	119.511	ug/l	92
17) Carbon Disulfide	4.116	76	146249	26.987	ug/l	99
18) Methyl Acetate	4.397	43	23966	23.574	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	108859	24.922	ug/l	99
20) Methylene Chloride	4.622	84	46635	25.903	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	49225	25.877	ug/l	98
22) Diisopropyl ether	6.024	45	155698	25.935	ug/l	96
23) Vinyl Acetate	5.969	43	428905	128.157	ug/l	97
24) 1,1-Dichloroethane	5.927	63	90114	25.620	ug/l	99
25) 2-Butanone	6.902	43	57721	121.288	ug/l	97
26) 2,2-Dichloropropane	6.890	77	80600	24.765	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	55781	25.475	ug/l	93
28) Bromochloromethane	7.250	49	29587	21.272	ug/l	100
29) Tetrahydrofuran	7.274	42	38809	120.516	ug/l	94
30) Chloroform	7.426	83	91411	25.301	ug/l	100
31) Cyclohexane	7.707	56	81778	25.818	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	83847	24.962	ug/l	100
36) 1,1-Dichloropropene	7.841	75	67164	24.380	ug/l	99
37) Ethyl Acetate	6.994	43	27847	23.042	ug/l	99
38) Carbon Tetrachloride	7.823	117	75491	23.452	ug/l	96
39) Methylcyclohexane	9.115	83	83719	24.845	ug/l	98
40) Benzene	8.085	78	204009	25.235	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	12738	18.219	ug/l #	84
42) 1,2-Dichloroethane	8.164	62	54123	24.133	ug/l	97
43) Isopropyl Acetate	8.201	43	57470	23.932	ug/l #	85
44) Trichloroethene	8.871	130	50033	23.954	ug/l	99
45) 1,2-Dichloropropane	9.146	63	47316	24.658	ug/l	100
46) Dibromomethane	9.237	93	24650	23.201	ug/l	94
47) Bromodichloromethane	9.426	83	68094	23.898	ug/l	96
48) Methyl methacrylate	9.225	41	26339	24.079	ug/l	94
49) 1,4-Dioxane	9.237	88	4779	483.193	ug/l	95
51) 4-Methyl-2-Pentanone	10.005	43	139921	115.869	ug/l	97
52) Toluene	10.176	92	125677	24.758	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	60666	23.711	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	73134	24.142	ug/l	95
55) 1,1,2-Trichloroethane	10.578	97	32050	23.296	ug/l	96
56) Ethyl methacrylate	10.444	69	42865	23.290	ug/l	89
57) 1,3-Dichloropropane	10.725	76	57090	23.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	87528	99.963	ug/l	100
59) 2-Hexanone	10.767	43	88849	114.274	ug/l	96
60) Dibromochloromethane	10.920	129	44155	22.854	ug/l	98
61) 1,2-Dibromoethane	11.023	107	30288	23.503	ug/l	99
64) Tetrachloroethene	10.652	164	44018	24.013	ug/l	96
65) Chlorobenzene	11.450	112	132669	24.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	46138	23.612	ug/l	97
67) Ethyl Benzene	11.523	91	236421	24.310	ug/l	99
68) m/p-Xylenes	11.633	106	178366	49.026	ug/l	97
69) o-Xylene	11.962	106	83489	24.614	ug/l	98
70) Styrene	11.974	104	139081	24.601	ug/l	99
71) Bromoform	12.139	173	24722	22.730	ug/l #	96
73) Isopropylbenzene	12.261	105	223760	24.319	ug/l	100
74) N-amyl acetate	12.078	43	47627	23.676	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	35239	23.028	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	26080m	24.408	ug/l	
77) Bromobenzene	12.535	156	50995	24.017	ug/l	93
78) n-propylbenzene	12.602	91	269056	24.548	ug/l	99
79) 2-Chlorotoluene	12.682	91	153425	24.440	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	184317	24.708	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	11780	22.496	ug/l	93
82) 4-Chlorotoluene	12.785	91	158098	24.718	ug/l	98
83) tert-Butylbenzene	13.005	119	165259	24.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	181234	24.847	ug/l	99
85) sec-Butylbenzene	13.182	105	233714	23.944	ug/l	98
86) p-Isopropyltoluene	13.297	119	194762	24.021	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	98418	24.006	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	96681	23.950	ug/l	99
89) n-Butylbenzene	13.621	91	179602	24.281	ug/l	99
90) Hexachloroethane	13.889	117	39865	23.568	ug/l	86
91) 1,2-Dichlorobenzene	13.663	146	84730	23.811	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5172	22.617	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	47236	23.848	ug/l	98
94) Hexachlorobutadiene	15.029	225	30909	23.549	ug/l	99
95) Naphthalene	15.151	128	75504	23.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38462	23.334	ug/l	95

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

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