

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021238.D
 Acq On : 19 Feb 2025 15:49
 Operator : SY/MD
 Sample : VY0219SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 00:17:38 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	7.713	168	187422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	302089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	255752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	127239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	96623	50.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.640%			
35) Dibromofluoromethane	7.640	113	94052	48.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.160%			
50) Toluene-d8	10.115	98	348838	47.329	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.660%			
62) 4-Bromofluorobenzene	12.414	95	121983	50.660	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46376	27.762	ug/l	95
3) Chloromethane	2.074	50	49490	30.024	ug/l	98
4) Vinyl Chloride	2.208	62	48103	28.993	ug/l	99
5) Bromomethane	2.604	94	28987	28.268	ug/l	97
6) Chloroethane	2.745	64	28721	29.080	ug/l	98
7) Trichlorofluoromethane	3.068	101	73884	24.443	ug/l	99
8) Diethyl Ether	3.464	74	21968	23.281	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.830	101	44280	23.341	ug/l	98
10) Methyl Iodide	4.019	142	48916	23.209	ug/l	93
11) Tert butyl alcohol	4.885	59	14572	111.981	ug/l #	92
12) 1,1-Dichloroethene	3.805	96	42418	23.737	ug/l	95
13) Acrolein	3.659	56	17095	85.311	ug/l	98
14) Allyl chloride	4.397	41	72775	24.163	ug/l	96
15) Acrylonitrile	5.067	53	44404	113.006	ug/l	98
16) Acetone	3.885	43	39310	131.268	ug/l	94
17) Carbon Disulfide	4.116	76	137791	24.590	ug/l	99
18) Methyl Acetate	4.391	43	23178	22.048	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	105645	23.389	ug/l	97
20) Methylene Chloride	4.628	84	45224	24.293	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	45969	23.369	ug/l	97
22) Diisopropyl ether	6.025	45	150882	24.305	ug/l	93
23) Vinyl Acetate	5.970	43	412742	119.267	ug/l	98
24) 1,1-Dichloroethane	5.927	63	85267	23.444	ug/l	98
25) 2-Butanone	6.909	43	58186	118.240	ug/l	96
26) 2,2-Dichloropropane	6.890	77	77868	23.138	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	51981	22.958	ug/l	91
28) Bromochloromethane	7.256	49	29792	20.715	ug/l	100
29) Tetrahydrofuran	7.268	42	38714	116.263	ug/l	95
30) Chloroform	7.433	83	86955	23.276	ug/l	99
31) Cyclohexane	7.707	56	77540	23.674	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78817	22.692	ug/l	100
36) 1,1-Dichloropropene	7.841	75	63470	22.134	ug/l	99
37) Ethyl Acetate	6.994	43	28755	22.858	ug/l	100
38) Carbon Tetrachloride	7.823	117	71680	21.393	ug/l	99
39) Methylcyclohexane	9.115	83	79691	22.720	ug/l	98
40) Benzene	8.085	78	190547	22.643	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	14636	20.111	ug/l	95
42) 1,2-Dichloroethane	8.164	62	52885	22.655	ug/l	96
43) Isopropyl Acetate	8.201	43	54845	21.942	ug/l	98
44) Trichloroethene	8.872	130	47883	22.024	ug/l	92
45) 1,2-Dichloropropane	9.146	63	45225	22.642	ug/l	98
46) Dibromomethane	9.237	93	23475	21.227	ug/l	95
47) Bromodichloromethane	9.432	83	65662	22.139	ug/l	95
48) Methyl methacrylate	9.225	41	26336	23.131	ug/l	94
49) 1,4-Dioxane	9.243	88	4617	448.469	ug/l	91
51) 4-Methyl-2-Pentanone	10.006	43	138316	110.039	ug/l	96
52) Toluene	10.176	92	119448	22.606	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	58250	21.872	ug/l	95
54) cis-1,3-Dichloropropene	9.865	75	69958	22.186	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	31141	21.745	ug/l	96
56) Ethyl methacrylate	10.444	69	41640	21.735	ug/l	93
57) 1,3-Dichloropropane	10.725	76	55442	22.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	92595	101.594	ug/l	99
59) 2-Hexanone	10.768	43	89716	110.855	ug/l	96
60) Dibromochloromethane	10.920	129	43058	21.410	ug/l	97
61) 1,2-Dibromoethane	11.018	107	29203	21.771	ug/l	98
64) Tetrachloroethene	10.652	164	41352	21.781	ug/l	96
65) Chlorobenzene	11.450	112	124714	21.900	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	44369	21.924	ug/l	98
67) Ethyl Benzene	11.524	91	220992	21.940	ug/l	99
68) m/p-Xylenes	11.633	106	170065	45.133	ug/l	98
69) o-Xylene	11.963	106	78675	22.395	ug/l	96
70) Styrene	11.975	104	130042	22.209	ug/l	97
71) Bromoform	12.139	173	24089	21.385	ug/l #	98
73) Isopropylbenzene	12.261	105	211405	21.270	ug/l	100
74) N-amyl acetate	12.078	43	45761	21.059	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	34149	20.659	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	21289m	18.445	ug/l	
77) Bromobenzene	12.542	156	47410	20.670	ug/l	96
78) n-propylbenzene	12.603	91	255730	21.599	ug/l	99
79) 2-Chlorotoluene	12.688	91	145452	21.449	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	173873	21.577	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	11131	19.678	ug/l	87
82) 4-Chlorotoluene	12.786	91	151381	21.910	ug/l	98
83) tert-Butylbenzene	13.005	119	155556	21.237	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	170537	21.644	ug/l	100
85) sec-Butylbenzene	13.182	105	222457	21.099	ug/l	98
86) p-Isopropyltoluene	13.298	119	185286	21.155	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	93571	21.128	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	92191	21.142	ug/l	99
89) n-Butylbenzene	13.627	91	169011	21.153	ug/l	98
90) Hexachloroethane	13.889	117	38075	20.838	ug/l	88
91) 1,2-Dichlorobenzene	13.663	146	80080	20.833	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5034	20.379	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	44493	20.795	ug/l	98
94) Hexachlorobutadiene	15.029	225	29370	20.714	ug/l	98
95) Naphthalene	15.151	128	69571	20.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	36476	20.486	ug/l	97

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

