

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021229.D
 Acq On : 18 Feb 2025 13:30
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0218SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/19/2025
 Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 19 08:24:39 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	7.720	168	151578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	238563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	205533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	98978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	84408	54.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.700%			
35) Dibromofluoromethane	7.640	113	80135	52.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.115	98	294758	50.641	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.414	95	100023	52.601	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	22090	16.351	ug/l	94
3) Chloromethane	2.074	50	23553	17.668	ug/l	100
4) Vinyl Chloride	2.214	62	24851	18.520	ug/l	99
5) Bromomethane	2.605	94	15529	18.725	ug/l	99
6) Chloroethane	2.745	64	16362	20.484	ug/l	96
7) Trichlorofluoromethane	3.068	101	50116	20.501	ug/l	100
8) Diethyl Ether	3.464	74	17077	22.377	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.830	101	33410	21.776	ug/l	97
10) Methyl Iodide	4.019	142	29244	17.157	ug/l	95
11) Tert butyl alcohol	4.885	59	13946	132.513	ug/l #	75
12) 1,1-Dichloroethene	3.799	96	27156	18.790	ug/l	93
13) Acrolein	3.665	56	13841	85.406	ug/l	99
14) Allyl chloride	4.397	41	52020	21.357	ug/l	95
15) Acrylonitrile	5.080	53	43477	136.812	ug/l	99
16) Acetone	3.885	43	33935	140.116	ug/l	94
17) Carbon Disulfide	4.117	76	52310	11.542	ug/l	100
18) Methyl Acetate	4.403	43	22516	26.483	ug/l	97
19) Methyl tert-butyl Ether	5.135	73	92324	25.274	ug/l	98
20) Methylene Chloride	4.629	84	33748	22.415	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	29209	18.360	ug/l	93
22) Diisopropyl ether	6.031	45	127290	25.353	ug/l	96
23) Vinyl Acetate	5.976	43	353517	126.309	ug/l	97
24) 1,1-Dichloroethane	5.933	63	67572	22.972	ug/l	96
25) 2-Butanone	6.909	43	55799	140.203	ug/l	97
26) 2,2-Dichloropropane	6.896	77	62951	23.129	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	40326	22.022	ug/l	91
28) Bromochloromethane	7.256	49	25561	21.975	ug/l	97
29) Tetrahydrofuran	7.274	42	36451	135.352	ug/l	94
30) Chloroform	7.433	83	72843	24.109	ug/l	93
31) Cyclohexane	7.707	56	48256	18.217	ug/l	92
32) 1,1,1-Trichloroethane	7.628	97	64332	22.901	ug/l	99
36) 1,1-Dichloropropene	7.848	75	45868	20.255	ug/l	98
37) Ethyl Acetate	6.994	43	26849	27.027	ug/l	98
38) Carbon Tetrachloride	7.829	117	56946	21.522	ug/l	98
39) Methylcyclohexane	9.116	83	50108	18.090	ug/l	99
40) Benzene	8.085	78	141692	21.321	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13937	24.250	ug/l #	74
42) 1,2-Dichloroethane	8.165	62	42840	23.239	ug/l	96
43) Isopropyl Acetate	8.207	43	52733	26.714	ug/l	94
44) Trichloroethene	8.872	130	35724	20.807	ug/l	97
45) 1,2-Dichloropropane	9.152	63	37179	23.571	ug/l	99
46) Dibromomethane	9.238	93	19985	22.884	ug/l	97
47) Bromodichloromethane	9.433	83	56831	24.264	ug/l #	95
48) Methyl methacrylate	9.231	41	23025	25.607	ug/l	92
49) 1,4-Dioxane	9.244	88	4481	551.163	ug/l	92
51) 4-Methyl-2-Pentanone	10.006	43	138479	139.506	ug/l	95
52) Toluene	10.176	92	89711	21.499	ug/l	97
53) t-1,3-Dichloropropene	10.402	75	51222	24.355	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	58317	23.419	ug/l	91
55) 1,1,2-Trichloroethane	10.579	97	28497	25.198	ug/l	97
56) Ethyl methacrylate	10.445	69	38267	25.294	ug/l	89
57) 1,3-Dichloropropane	10.725	76	48223	24.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	83203	115.598	ug/l	98
59) 2-Hexanone	10.768	43	91169	142.647	ug/l	95
60) Dibromochloromethane	10.920	129	38528	24.259	ug/l	98
61) 1,2-Dibromoethane	11.024	107	25524	24.095	ug/l	98
64) Tetrachloroethene	10.658	164	31052	20.352	ug/l	94
65) Chlorobenzene	11.451	112	102556	22.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	39944	24.560	ug/l	98
67) Ethyl Benzene	11.530	91	179578	22.185	ug/l	99
68) m/p-Xylenes	11.633	106	134579	44.442	ug/l	97
69) o-Xylene	11.963	106	65342	23.144	ug/l	98
70) Styrene	11.975	104	111168	23.625	ug/l	98
71) Bromoform	12.139	173	22822	25.210	ug/l #	98
73) Isopropylbenzene	12.261	105	176842	22.873	ug/l	99
74) N-amyl acetate	12.078	43	45527	26.934	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	34298	26.673	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	21353m	23.782	ug/l	
77) Bromobenzene	12.542	156	41252	23.121	ug/l	97
78) n-propylbenzene	12.603	91	214841	23.327	ug/l	99
79) 2-Chlorotoluene	12.688	91	122361	23.196	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	146284	23.336	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	11203	25.460	ug/l	93
82) 4-Chlorotoluene	12.786	91	126193	23.480	ug/l	99
83) tert-Butylbenzene	13.005	119	132496	23.254	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	145632	23.760	ug/l	99
85) sec-Butylbenzene	13.182	105	195434	23.828	ug/l	98
86) p-Isopropyltoluene	13.298	119	161252	23.668	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	82557	23.964	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	80396	23.702	ug/l	98
89) n-Butylbenzene	13.627	91	147712	23.765	ug/l	99
90) Hexachloroethane	13.889	117	33462	23.543	ug/l	85
91) 1,2-Dichlorobenzene	13.670	146	72602	24.281	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5069	26.380	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	41515	24.943	ug/l	100
94) Hexachlorobutadiene	15.035	225	27156	24.621	ug/l	99
95) Naphthalene	15.157	128	72703	27.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	35976	25.974	ug/l	98

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

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