

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021377.D
 Acq On : 28 Feb 2025 11:32
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 22:18:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	168970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	257471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	224033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82743	43.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.340%		
35) Dibromofluoromethane	7.640	113	77212	45.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.480%		
50) Toluene-d8	10.109	98	289320	44.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.700%		
62) 4-Bromofluorobenzene	12.408	95	95946	43.701	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	29723	18.553	ug/l	95
3) Chloromethane	2.068	50	36553	17.667	ug/l	99
4) Vinyl Chloride	2.202	62	39280	19.343	ug/l	93
5) Bromomethane	2.592	94	27186	20.145	ug/l	99
6) Chloroethane	2.732	64	25258	20.057	ug/l	98
7) Trichlorofluoromethane	3.056	101	61224	19.963	ug/l	96
8) Diethyl Ether	3.452	74	17417	18.921	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	34990	19.706	ug/l	100
10) Methyl Iodide	4.007	142	34422	18.427	ug/l	99
11) Tert butyl alcohol	4.866	59	12120	82.204	ug/l	99
12) 1,1-Dichloroethene	3.793	96	31916	18.772	ug/l	91
13) Acrolein	3.647	56	16459	145.677	ug/l	97
14) Allyl chloride	4.385	41	49721	16.495	ug/l	96
15) Acrylonitrile	5.061	53	36749	90.297	ug/l	99
16) Acetone	3.872	43	28550	77.647	ug/l	94
17) Carbon Disulfide	4.104	76	98237	17.401	ug/l	97
18) Methyl Acetate	4.385	43	16534	18.400	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	84448	18.800	ug/l	100
20) Methylene Chloride	4.616	84	37924	19.074	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	34397	18.378	ug/l	96
22) Diisopropyl ether	6.018	45	110995	17.794	ug/l	97
23) Vinyl Acetate	5.964	43	324772	87.130	ug/l	98
24) 1,1-Dichloroethane	5.915	63	63844	18.160	ug/l	99
25) 2-Butanone	6.890	43	46319	83.468	ug/l	97
26) 2,2-Dichloropropane	6.890	77	56022	17.561	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	39898	18.668	ug/l	96
28) Bromochloromethane	7.244	49	27733	17.828	ug/l	92
29) Tetrahydrofuran	7.262	42	31461	86.734	ug/l	97
30) Chloroform	7.421	83	67278	18.886	ug/l	97
31) Cyclohexane	7.701	56	57900	17.133	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	61837	19.070	ug/l	100
36) 1,1-Dichloropropene	7.835	75	47878	18.883	ug/l	99
37) Ethyl Acetate	6.988	43	22949	18.195	ug/l	98
38) Carbon Tetrachloride	7.817	117	55703	19.541	ug/l	99
39) Methylcyclohexane	9.109	83	58155	18.134	ug/l	97
40) Benzene	8.079	78	143523	19.148	ug/l	99

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41) Methacrylonitrile	7.219	41	12586m	17.848	ug/l	
42) 1,2-Dichloroethane	8.158	62	41428	19.481	ug/l	97
43) Isopropyl Acetate	8.195	43	44479	18.220	ug/l	99
44) Trichloroethene	8.865	130	36816	19.619	ug/l	96
45) 1,2-Dichloropropane	9.140	63	34360	19.049	ug/l	99
46) Dibromomethane	9.231	93	19456	19.733	ug/l	97
47) Bromodichloromethane	9.426	83	51835	19.717	ug/l	98
48) Methyl methacrylate	9.219	41	19952	17.477	ug/l	94
49) 1,4-Dioxane	9.231	88	4114	375.255	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	115289	92.255	ug/l	100
52) Toluene	10.170	92	89754	19.276	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	44692	18.555	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	53051	18.657	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	25241	19.651	ug/l	98
56) Ethyl methacrylate	10.438	69	33119	18.661	ug/l	98
57) 1,3-Dichloropropane	10.719	76	44249	19.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	75597	88.741	ug/l	97
59) 2-Hexanone	10.761	43	74950	91.322	ug/l	100
60) Dibromochloromethane	10.914	129	35624	20.364	ug/l	98
61) 1,2-Dibromoethane	11.011	107	23736	19.519	ug/l	97
64) Tetrachloroethene	10.646	164	34526	20.389	ug/l	98
65) Chlorobenzene	11.444	112	99308	19.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	35523	20.173	ug/l	100
67) Ethyl Benzene	11.524	91	170306	19.119	ug/l	99
68) m/p-Xylenes	11.633	106	131250	39.173	ug/l	98
69) o-Xylene	11.956	106	61033	19.445	ug/l	98
70) Styrene	11.969	104	102541	19.635	ug/l	99
71) Bromoform	12.133	173	20397	20.248	ug/l #	99
73) Isopropylbenzene	12.255	105	164175	18.914	ug/l	100
74) N-amyl acetate	12.072	43	37786	17.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	29422	19.206	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	22194m	19.205	ug/l	
77) Bromobenzene	12.536	156	39235	19.434	ug/l	94
78) n-propylbenzene	12.597	91	196454	18.652	ug/l	98
79) 2-Chlorotoluene	12.682	91	113116	18.713	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	136074	19.114	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	8873	17.065	ug/l	96
82) 4-Chlorotoluene	12.779	91	115393	18.415	ug/l	98
83) tert-Butylbenzene	12.999	119	119869	18.640	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	135274	19.106	ug/l	99
85) sec-Butylbenzene	13.176	105	176579	18.799	ug/l	99
86) p-Isopropyltoluene	13.292	119	148920	18.987	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	77744	19.467	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	76272	19.333	ug/l	99
89) n-Butylbenzene	13.621	91	136569	18.503	ug/l	98
90) Hexachloroethane	13.883	117	30423	18.570	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	68082	19.458	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4491	18.532	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	39259	18.384	ug/l	99
94) Hexachlorobutadiene	15.029	225	25857	19.232	ug/l	99
95) Naphthalene	15.151	128	61755	17.459	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	33733	18.696	ug/l	98

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

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