

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021228.D
 Acq On : 18 Feb 2025 13:07
 Operator : SY/MD
 Sample : VY0218SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 04:12:55 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	7.725	168	161325	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	245412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	202901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	96182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	78340	47.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.800%		
35) Dibromofluoromethane	7.646	113	78479	49.899	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.800%		
50) Toluene-d8	10.115	98	305113	50.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.920%		
62) 4-Bromofluorobenzene	12.420	95	97775	49.984	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	21800	15.161	ug/l	96
3) Chloromethane	2.080	50	22629	15.949	ug/l	97
4) Vinyl Chloride	2.220	62	23843	16.695	ug/l	97
5) Bromomethane	2.610	94	14697	16.651	ug/l	94
6) Chloroethane	2.751	64	15624	18.379	ug/l	96
7) Trichlorofluoromethane	3.080	101	48504	18.643	ug/l	95
8) Diethyl Ether	3.470	74	12839	15.807	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.836	101	32154	19.691	ug/l	97
10) Methyl Iodide	4.025	142	26543	14.631	ug/l	92
11) Tert butyl alcohol	4.884	59	8632	77.065	ug/l #	94
12) 1,1-Dichloroethene	3.811	96	25450	16.545	ug/l	91
13) Acrolein	3.671	56	10405	60.325	ug/l	99
14) Allyl chloride	4.403	41	47340	18.261	ug/l	94
15) Acrylonitrile	5.079	53	29338	86.742	ug/l	98
16) Acetone	3.885	43	27406	106.321	ug/l	91
17) Carbon Disulfide	4.128	76	50481	10.466	ug/l	98
18) Methyl Acetate	4.409	43	15071	16.655	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	68265	17.559	ug/l	96
20) Methylene Chloride	4.640	84	30201	18.847	ug/l	97
21) trans-1,2-Dichloroethene	5.134	96	28126	16.611	ug/l	92
22) Diisopropyl ether	6.030	45	105938	19.826	ug/l	92
23) Vinyl Acetate	5.976	43	263541	88.472	ug/l	97
24) 1,1-Dichloroethane	5.939	63	61595	19.675	ug/l	96
25) 2-Butanone	6.914	43	37188	87.794	ug/l	99
26) 2,2-Dichloropropane	6.902	77	59380	20.499	ug/l	97
27) cis-1,2-Dichloroethene	6.908	96	35617	18.275	ug/l	90
28) Bromochloromethane	7.262	49	23040	18.611	ug/l	98
29) Tetrahydrofuran	7.280	42	22392	78.124	ug/l	94
30) Chloroform	7.433	83	65019	20.219	ug/l	98
31) Cyclohexane	7.719	56	46491	16.491	ug/l #	94
32) 1,1,1-Trichloroethane	7.634	97	59046	19.750	ug/l	98
36) 1,1-Dichloropropene	7.847	75	42608	18.290	ug/l	98
37) Ethyl Acetate	7.000	43	16926	16.563	ug/l	98
38) Carbon Tetrachloride	7.835	117	53126	19.518	ug/l	100
39) Methylcyclohexane	9.121	83	48295	16.949	ug/l	99
40) Benzene	8.097	78	127287	18.619	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	8116	13.727	ug/l #	79
42) 1,2-Dichloroethane	8.170	62	35147	18.533	ug/l	98
43) Isopropyl Acetate	8.207	43	35104	17.287	ug/l	98
44) Trichloroethene	8.877	130	32813	18.578	ug/l	94
45) 1,2-Dichloropropane	9.152	63	31728	19.554	ug/l	99
46) Dibromomethane	9.243	93	15717	17.494	ug/l	97
47) Bromodichloromethane	9.432	83	48694	20.209	ug/l	98
48) Methyl methacrylate	9.231	41	15141	16.369	ug/l	95
49) 1,4-Dioxane	9.243	88	3024	361.571	ug/l	97
51) 4-Methyl-2-Pentanone	10.005	43	86169	84.385	ug/l	97
52) Toluene	10.182	92	81790	19.054	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	39522	18.267	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	48720	19.019	ug/l	91
55) 1,1,2-Trichloroethane	10.585	97	22257	19.131	ug/l	95
56) Ethyl methacrylate	10.450	69	25670	16.494	ug/l	90
57) 1,3-Dichloropropane	10.725	76	38027	18.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	60984	82.364	ug/l	98
59) 2-Hexanone	10.774	43	54930	83.547	ug/l	95
60) Dibromochloromethane	10.926	129	30137	18.446	ug/l	99
61) 1,2-Dibromoethane	11.023	107	19278	17.691	ug/l	100
64) Tetrachloroethene	10.658	164	28147	18.687	ug/l	96
65) Chlorobenzene	11.456	112	88739	19.641	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.529	131	32787	20.421	ug/l	96
67) Ethyl Benzene	11.529	91	159058	19.905	ug/l	99
68) m/p-Xylenes	11.639	106	118640	39.686	ug/l	97
69) o-Xylene	11.968	106	55709	19.988	ug/l	96
70) Styrene	11.981	104	93472	20.122	ug/l	98
71) Bromoform	12.145	173	16875	18.883	ug/l #	98
73) Isopropylbenzene	12.267	105	159059	21.171	ug/l	99
74) N-amyl acetate	12.084	43	29164	17.755	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.517	83	22876	18.308	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	17084m	19.581	ug/l	
77) Bromobenzene	12.541	156	34707	20.018	ug/l	93
78) n-propylbenzene	12.609	91	192712	21.532	ug/l	99
79) 2-Chlorotoluene	12.694	91	107702	21.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	129730	21.297	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	7174	16.778	ug/l	90
82) 4-Chlorotoluene	12.791	91	110822	21.219	ug/l	99
83) tert-Butylbenzene	13.011	119	120629	21.787	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	124644	20.927	ug/l	98
85) sec-Butylbenzene	13.188	105	176287	22.118	ug/l	97
86) p-Isopropyltoluene	13.304	119	142210	21.480	ug/l	98
87) 1,3-Dichlorobenzene	13.297	146	69907	20.882	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	68362	20.740	ug/l	98
89) n-Butylbenzene	13.627	91	134229	22.224	ug/l	99
90) Hexachloroethane	13.889	117	29629	21.452	ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	59131	20.350	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3541	18.964	ug/l	92
93) 1,2,4-Trichlorobenzene	14.931	180	33308	20.594	ug/l	97
94) Hexachlorobutadiene	15.035	225	24576	22.930	ug/l	99
95) Naphthalene	15.157	128	48944	18.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.346	180	27500	20.431	ug/l	98

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

