

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021076.D
 Acq On : 05 Feb 2025 10:21
 Operator : SY/MD
 Sample : VY0205SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/06/2025
 Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 06 00:25:14 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	152907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	236588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	204354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	102238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	73013	46.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.200%		
35) Dibromofluoromethane	7.646	113	69781	46.023	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.040%		
50) Toluene-d8	10.115	98	269294	46.653	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.300%		
62) 4-Bromofluorobenzene	12.414	95	88083	46.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	24364	17.877	ug/l	98
3) Chloromethane	2.074	50	24676	18.349	ug/l	98
4) Vinyl Chloride	2.214	62	24675	18.229	ug/l	96
5) Bromomethane	2.604	94	15298	18.286	ug/l	97
6) Chloroethane	2.745	64	14560	18.070	ug/l	97
7) Trichlorofluoromethane	3.068	101	44533	18.059	ug/l	97
8) Diethyl Ether	3.464	74	14142	18.370	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	27699	17.897	ug/l	91
10) Methyl Iodide	4.019	142	29455	17.130	ug/l	94
11) Tert butyl alcohol	4.872	59	9557	90.020	ug/l	100
12) 1,1-Dichloroethene	3.799	96	26094	17.898	ug/l	89
13) Acrolein	3.665	56	14921	91.270	ug/l	98
14) Allyl chloride	4.397	41	45623	18.568	ug/l	93
15) Acrylonitrile	5.073	53	30380	94.768	ug/l	98
16) Acetone	3.879	43	23729	97.124	ug/l	93
17) Carbon Disulfide	4.122	76	77813	17.021	ug/l	100
18) Methyl Acetate	4.403	43	15882	18.518	ug/l	95
19) Methyl tert-butyl Ether	5.128	73	68036	18.463	ug/l	98
20) Methylene Chloride	4.628	84	28427	18.717	ug/l	91
21) trans-1,2-Dichloroethene	5.128	96	29454	18.353	ug/l	96
22) Diisopropyl ether	6.031	45	99968	19.738	ug/l	97
23) Vinyl Acetate	5.976	43	271055	96.005	ug/l	97
24) 1,1-Dichloroethane	5.927	63	56819	19.148	ug/l	96
25) 2-Butanone	6.908	43	38053	94.782	ug/l	96
26) 2,2-Dichloropropane	6.896	77	52438	19.099	ug/l	96
27) cis-1,2-Dichloroethene	6.908	96	34817	18.848	ug/l	94
28) Bromochloromethane	7.262	49	24506	20.885	ug/l	99
29) Tetrahydrofuran	7.274	42	25658	94.447	ug/l	94
30) Chloroform	7.433	83	58933	19.336	ug/l	100
31) Cyclohexane	7.713	56	48643	18.204	ug/l	92
32) 1,1,1-Trichloroethane	7.628	97	53746	18.967	ug/l	99
36) 1,1-Dichloropropene	7.847	75	41874	18.646	ug/l	98
37) Ethyl Acetate	7.000	43	19282	19.572	ug/l	98
38) Carbon Tetrachloride	7.829	117	49652	18.922	ug/l	98
39) Methylcyclohexane	9.115	83	48849	17.783	ug/l	99
40) Benzene	8.091	78	127371	19.326	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	9669	16.964	ug/l #	94
42) 1,2-Dichloroethane	8.170	62	35432	19.380	ug/l	97
43) Isopropyl Acetate	8.201	43	37570	19.192	ug/l	97
44) Trichloroethene	8.872	130	31914	18.743	ug/l	99
45) 1,2-Dichloropropane	9.152	63	30335	19.392	ug/l	96
46) Dibromomethane	9.243	93	16650	19.224	ug/l	96
47) Bromodichloromethane	9.432	83	44926	19.341	ug/l	98
48) Methyl methacrylate	9.225	41	16532	18.540	ug/l	95
49) 1,4-Dioxane	9.243	88	2985	370.220	ug/l	94
51) 4-Methyl-2-Pentanone	10.005	43	92379	93.841	ug/l	98
52) Toluene	10.176	92	79165	19.130	ug/l	97
53) t-1,3-Dichloropropene	10.402	75	39278	18.832	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	46922	19.000	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	22247	19.836	ug/l	95
56) Ethyl methacrylate	10.444	69	27082	18.050	ug/l	90
57) 1,3-Dichloropropane	10.725	76	38507	19.836	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	67032	93.908	ug/l	99
59) 2-Hexanone	10.768	43	59843	94.415	ug/l	95
60) Dibromochloromethane	10.920	129	30519	19.377	ug/l	98
61) 1,2-Dibromoethane	11.024	107	19864	18.909	ug/l	99
64) Tetrachloroethene	10.652	164	28485	18.777	ug/l	96
65) Chlorobenzene	11.450	112	85442	18.777	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	30732	19.005	ug/l	97
67) Ethyl Benzene	11.530	91	150727	18.728	ug/l	100
68) m/p-Xylenes	11.639	106	114815	38.134	ug/l	97
69) o-Xylene	11.962	106	52702	18.775	ug/l	96
70) Styrene	11.975	104	90846	19.417	ug/l	99
71) Bromoform	12.139	173	16851	18.722	ug/l #	94
73) Isopropylbenzene	12.261	105	144026	18.034	ug/l	99
74) N-amyl acetate	12.078	43	30932	17.716	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.517	83	24086	18.134	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	18770m	20.239	ug/l	
77) Bromobenzene	12.542	156	34185	18.549	ug/l	92
78) n-propylbenzene	12.603	91	177156	18.622	ug/l	100
79) 2-Chlorotoluene	12.688	91	99545	18.269	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	121377	18.745	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	7901	17.383	ug/l	91
82) 4-Chlorotoluene	12.785	91	103198	18.589	ug/l	99
83) tert-Butylbenzene	13.005	119	106073	18.023	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	120120	18.973	ug/l	98
85) sec-Butylbenzene	13.182	105	155667	18.374	ug/l	99
86) p-Isopropyltoluene	13.298	119	130183	18.499	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	66165	18.594	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	65178	18.602	ug/l	97
89) n-Butylbenzene	13.627	91	118515	18.460	ug/l	99
90) Hexachloroethane	13.889	117	26681	18.173	ug/l	86
91) 1,2-Dichlorobenzene	13.669	146	57678	18.675	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	3445	17.357	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	31197	18.146	ug/l	99
94) Hexachlorobutadiene	15.035	225	20362	17.873	ug/l	99
95) Naphthalene	15.157	128	45983	16.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	25221	17.628	ug/l	98

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

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