

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021320.D
 Acq On : 26 Feb 2025 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/27/2025
 Supervised By :Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 00:33:59 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	7.713	168	193888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	268805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	131935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105547	47.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.980%		
35) Dibromofluoromethane	7.634	113	98654	48.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.109	98	387966	49.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.200%		
62) 4-Bromofluorobenzene	12.408	95	129754	49.290	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85738	46.640	ug/l	96
3) Chloromethane	2.068	50	112705	47.473	ug/l	98
4) Vinyl Chloride	2.202	62	113710	48.798	ug/l	98
5) Bromomethane	2.598	94	71789	46.361	ug/l	99
6) Chloroethane	2.739	64	70476	48.772	ug/l	99
7) Trichlorofluoromethane	3.062	101	167868	47.701	ug/l	96
8) Diethyl Ether	3.452	74	52323	49.537	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	96104	47.169	ug/l	99
10) Methyl Iodide	4.007	142	111918	52.212	ug/l	99
11) Tert butyl alcohol	4.854	59	34212	202.221	ug/l	98
12) 1,1-Dichloroethene	3.793	96	94447	48.413	ug/l	99
13) Acrolein	3.653	56	5526	42.624	ug/l	99
14) Allyl chloride	4.385	41	173778	50.242	ug/l	98
15) Acrylonitrile	5.061	53	112963	241.892	ug/l	99
16) Acetone	3.867	43	109810	260.267	ug/l	100
17) Carbon Disulfide	4.110	76	315561	48.712	ug/l	100
18) Methyl Acetate	4.385	43	49846	48.342	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	253623	49.206	ug/l	99
20) Methylene Chloride	4.616	84	103268	45.263	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	104607	48.708	ug/l	99
22) Diisopropyl ether	6.019	45	361038	50.442	ug/l	98
23) Vinyl Acetate	5.958	43	1065848	249.197	ug/l	99
24) 1,1-Dichloroethane	5.915	63	197949	49.069	ug/l	98
25) 2-Butanone	6.890	43	157281	246.999	ug/l	98
26) 2,2-Dichloropropane	6.890	77	180065	49.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	122751	50.053	ug/l	99
28) Bromochloromethane	7.244	49	84337	47.247	ug/l	98
29) Tetrahydrofuran	7.262	42	99242	238.435	ug/l	100
30) Chloroform	7.421	83	201334	49.253	ug/l	99
31) Cyclohexane	7.701	56	178746	46.094	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	181553	48.795	ug/l	98
36) 1,1-Dichloropropene	7.835	75	146702	48.254	ug/l	100
37) Ethyl Acetate	6.982	43	72710	48.080	ug/l	100
38) Carbon Tetrachloride	7.817	117	165430	48.402	ug/l	98
39) Methylcyclohexane	9.109	83	178508	46.422	ug/l	97
40) Benzene	8.079	78	436709	48.593	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	36160	42.766	ug/l	91
42) 1,2-Dichloroethane	8.158	62	122335	47.978	ug/l	99
43) Isopropyl Acetate	8.195	43	140455	47.984	ug/l	99
44) Trichloroethene	8.866	130	109499	48.665	ug/l	100
45) 1,2-Dichloropropane	9.140	63	105190	48.637	ug/l	100
46) Dibromomethane	9.231	93	56977	48.195	ug/l	99
47) Bromodichloromethane	9.427	83	152416	48.352	ug/l	99
48) Methyl methacrylate	9.219	41	66362	48.481	ug/l	98
49) 1,4-Dioxane	9.231	88	12417	944.605	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	360891	240.853	ug/l	100
52) Toluene	10.170	92	275527	49.351	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	144366	49.988	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	167718	49.192	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	72899	47.334	ug/l	98
56) Ethyl methacrylate	10.439	69	108485	50.979	ug/l	100
57) 1,3-Dichloropropane	10.719	76	132919	49.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	239640	234.614	ug/l	100
59) 2-Hexanone	10.762	43	245501	249.476	ug/l	99
60) Dibromochloromethane	10.908	129	102499	48.867	ug/l	100
61) 1,2-Dibromoethane	11.018	107	69304	47.532	ug/l	98
64) Tetrachloroethene	10.646	164	96416	47.455	ug/l	98
65) Chlorobenzene	11.444	112	293397	48.625	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	104152	49.295	ug/l	100
67) Ethyl Benzene	11.518	91	530215	49.609	ug/l	99
68) m/p-Xylenes	11.627	106	395166	98.298	ug/l	99
69) o-Xylene	11.957	106	187084	49.676	ug/l	98
70) Styrene	11.969	104	316002	50.431	ug/l	100
71) Bromoform	12.133	173	58316	48.247	ug/l #	99
73) Isopropylbenzene	12.255	105	493694	49.774	ug/l	99
74) N-amyl acetate	12.072	43	128988	51.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84288	48.150	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	52897m	40.055	ug/l	
77) Bromobenzene	12.536	156	114266	49.529	ug/l	99
78) n-propylbenzene	12.597	91	595911	49.510	ug/l	100
79) 2-Chlorotoluene	12.682	91	339722	49.181	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	403527	49.604	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29544	49.724	ug/l	99
82) 4-Chlorotoluene	12.780	91	353786	49.408	ug/l	99
83) tert-Butylbenzene	12.999	119	358344	48.765	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	403288	49.846	ug/l	100
85) sec-Butylbenzene	13.176	105	515970	48.069	ug/l	100
86) p-Isopropyltoluene	13.292	119	435539	48.594	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	221110	48.450	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	215487	47.797	ug/l	100
89) n-Butylbenzene	13.621	91	408995	48.491	ug/l	100
90) Hexachloroethane	13.883	117	88564	47.306	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	193750	48.457	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13100	47.306	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	116572	47.769	ug/l	99
94) Hexachlorobutadiene	15.029	225	70063	45.603	ug/l	99
95) Naphthalene	15.145	128	205892	50.937	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	98515	47.779	ug/l	99

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

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