

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022197.D
 Acq On : 07 May 2025 16:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2025
 Supervised By :Semsettin Yesilyurt 05/08/2025

Quant Time: May 08 01:43:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	189504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	299184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	282840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	99322	56.742	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.480%			
35) Dibromofluoromethane	7.634	113	106687	53.976	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.960%			
50) Toluene-d8	10.103	98	419957	56.358	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.720%			
62) 4-Bromofluorobenzene	12.401	95	144776	57.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	67583	41.853	ug/l	96
3) Chloromethane	2.062	50	135151	58.780	ug/l	98
4) Vinyl Chloride	2.202	62	162984	57.684	ug/l	98
5) Bromomethane	2.592	94	134351	55.192	ug/l	100
6) Chloroethane	2.732	64	110747	57.553	ug/l	98
7) Trichlorofluoromethane	3.049	101	186364	50.020	ug/l	98
8) Diethyl Ether	3.452	74	47800	49.292	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	98106	48.540	ug/l	98
10) Methyl Iodide	4.001	142	127116	54.322	ug/l	97
11) Tert butyl alcohol	4.872	59	24326	253.142	ug/l	97
12) 1,1-Dichloroethene	3.787	96	92881	49.303	ug/l	95
13) Acrolein	3.659	56	15683	90.929	ug/l	100
14) Allyl chloride	4.378	41	120083	54.743	ug/l	98
15) Acrylonitrile	5.061	53	98041	276.163	ug/l	99
16) Acetone	3.873	43	63881	281.508	ug/l	99
17) Carbon Disulfide	4.104	76	296011	49.280	ug/l	97
18) Methyl Acetate	4.385	43	60521	74.017	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	225777	53.546	ug/l	99
20) Methylene Chloride	4.610	84	112311	50.742	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	112361	53.256	ug/l	91
22) Diisopropyl ether	6.018	45	288038	59.006	ug/l	98
23) Vinyl Acetate	5.957	43	724643	275.443	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190778	56.382	ug/l	99
25) 2-Butanone	6.896	43	108786	272.647	ug/l	93
26) 2,2-Dichloropropane	6.878	77	159103	53.648	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	129018	54.690	ug/l	97
28) Bromochloromethane	7.244	49	79497	60.487	ug/l	94
29) Tetrahydrofuran	7.262	42	75319	290.647	ug/l	98
30) Chloroform	7.421	83	213067	56.769	ug/l	100
31) Cyclohexane	7.701	56	145317	50.221	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	184122	54.223	ug/l	98
36) 1,1-Dichloropropene	7.835	75	143082	53.890	ug/l	98
37) Ethyl Acetate	6.982	43	52210	54.752	ug/l	98
38) Carbon Tetrachloride	7.817	117	166492	52.478	ug/l	100
39) Methylcyclohexane	9.109	83	167535	50.141	ug/l	95
40) Benzene	8.079	78	467290	56.303	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	30803m	59.092	ug/l	
42) 1,2-Dichloroethane	8.158	62	116599	56.743	ug/l	99
43) Isopropyl Acetate	8.195	43	100547	54.906	ug/l	98
44) Trichloroethene	8.866	130	121457	52.833	ug/l	99
45) 1,2-Dichloropropane	9.140	63	106437	57.991	ug/l	100
46) Dibromomethane	9.231	93	63415	55.194	ug/l	98
47) Bromodichloromethane	9.420	83	162778	56.712	ug/l	100
48) Methyl methacrylate	9.219	41	50054	59.127	ug/l	96
49) 1,4-Dioxane	9.237	88	13326	1088.193	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	285835	297.756	ug/l	97
52) Toluene	10.170	92	307546	57.245	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	137914	56.018	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	162477	55.518	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	87989	57.332	ug/l	99
56) Ethyl methacrylate	10.438	69	100073	57.020	ug/l	96
57) 1,3-Dichloropropane	10.719	76	139099	56.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	246914	287.742	ug/l	98
59) 2-Hexanone	10.762	43	188683	297.995	ug/l	97
60) Dibromochloromethane	10.908	129	119372	56.180	ug/l	99
61) 1,2-Dibromoethane	11.011	107	81442	56.210	ug/l	98
64) Tetrachloroethene	10.646	164	137886	51.677	ug/l	98
65) Chlorobenzene	11.438	112	338124	53.458	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	120658	54.185	ug/l	99
67) Ethyl Benzene	11.517	91	579567	56.015	ug/l	97
68) m/p-Xylenes	11.627	106	466639	113.339	ug/l	100
69) o-Xylene	11.950	106	211154	55.644	ug/l	97
70) Styrene	11.969	104	365411	57.351	ug/l	99
71) Bromoform	12.133	173	68789	53.134	ug/l #	97
73) Isopropylbenzene	12.255	105	564522	52.927	ug/l	99
74) N-amyl acetate	12.072	43	94525	51.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93850	52.189	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68731m	50.262	ug/l	
77) Bromobenzene	12.529	156	138573	51.415	ug/l	98
78) n-propylbenzene	12.590	91	678253	53.397	ug/l	99
79) 2-Chlorotoluene	12.676	91	393545	53.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	469979	53.478	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	28144	49.563	ug/l	98
82) 4-Chlorotoluene	12.773	91	408187	53.156	ug/l	99
83) tert-Butylbenzene	12.999	119	420240	53.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	474051	53.929	ug/l	100
85) sec-Butylbenzene	13.176	105	615640	53.379	ug/l	99
86) p-Isopropyltoluene	13.292	119	517861	52.877	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	278569	50.890	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	273618	50.470	ug/l	100
89) n-Butylbenzene	13.615	91	459039	52.438	ug/l	99
90) Hexachloroethane	13.877	117	114479	53.203	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	247238	51.784	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14271	49.881	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	132104	48.828	ug/l	100
94) Hexachlorobutadiene	15.023	225	80556	48.394	ug/l	100
95) Naphthalene	15.145	128	227596	50.641	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	115989	49.665	ug/l	99

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

