

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022327.D
 Acq On : 19 May 2025 18:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 20 01:17:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	153018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	269702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	234399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	113235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88156	52.714	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.420%	
35) Dibromofluoromethane	7.634	113	80489	50.001	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.000%	
50) Toluene-d8	10.103	98	326124	49.467	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	12.401	95	100534	48.110	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.220%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	73339	45.932	ug/l	100
3) Chloromethane	2.062	50	231455	68.912	ug/l	99
4) Vinyl Chloride	2.202	62	275075	73.305	ug/l	98
5) Bromomethane	2.592	94	225794	73.916	ug/l	99
6) Chloroethane	2.732	64	188708	80.834	ug/l	100
7) Trichlorofluoromethane	3.043	101	215772	56.793	ug/l	98
8) Diethyl Ether	3.452	74	48739	53.455	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	82787	50.193	ug/l	98
10) Methyl Iodide	4.000	142	102665	53.780	ug/l	99
11) Tert butyl alcohol	4.866	59	33492	262.258	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	85100	51.993	ug/l	97
13) Acrolein	3.653	56	28642	153.416	ug/l	99
14) Allyl chloride	4.378	41	134690	46.931	ug/l	94
15) Acrylonitrile	5.055	53	101731	270.784	ug/l	99
16) Acetone	3.872	43	73689	234.996	ug/l	99
17) Carbon Disulfide	4.098	76	267647	50.146	ug/l	100
18) Methyl Acetate	4.378	43	67369	68.140	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	244282	54.127	ug/l	97
20) Methylene Chloride	4.610	84	97096	47.920	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	92708	51.315	ug/l	95
22) Diisopropyl ether	6.018	45	305376	50.386	ug/l	98
23) Vinyl Acetate	5.957	43	855691	233.700	ug/l	98
24) 1,1-Dichloroethane	5.909	63	175055	51.700	ug/l	99
25) 2-Butanone	6.896	43	130995	249.742	ug/l	99
26) 2,2-Dichloropropane	6.878	77	142107	47.186	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	110280	52.896	ug/l	97
28) Bromochloromethane	7.244	49	76227	52.779	ug/l	97
29) Tetrahydrofuran	7.262	42	89839	266.228	ug/l	94
30) Chloroform	7.421	83	176605	54.377	ug/l	96
31) Cyclohexane	7.701	56	154605	45.699	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	151870	50.969	ug/l	99
36) 1,1-Dichloropropene	7.835	75	125789	47.442	ug/l	99
37) Ethyl Acetate	6.982	43	60577	47.484	ug/l	98
38) Carbon Tetrachloride	7.817	117	130100	47.403	ug/l	97
39) Methylcyclohexane	9.103	83	163258	45.831	ug/l	99
40) Benzene	8.079	78	391350	49.789	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	37784	44.649	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	106807	50.248	ug/l	99
43) Isopropyl Acetate	8.195	43	132883	47.761	ug/l #	87
44) Trichloroethene	8.859	130	96794	49.526	ug/l	97
45) 1,2-Dichloropropane	9.140	63	93333	49.252	ug/l	100
46) Dibromomethane	9.225	93	53599	52.440	ug/l	98
47) Bromodichloromethane	9.420	83	135697	51.176	ug/l	99
48) Methyl methacrylate	9.219	41	60069	46.167	ug/l	88
49) 1,4-Dioxane	9.231	88	12583	1089.753	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	342544	250.919	ug/l	96
52) Toluene	10.170	92	245922	49.408	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	126789	48.997	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	146552	49.431	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	67239	51.373	ug/l	99
56) Ethyl methacrylate	10.438	69	102799	50.422	ug/l	97
57) 1,3-Dichloropropane	10.713	76	121706	52.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	232623	254.207	ug/l	99
59) 2-Hexanone	10.755	43	226626	247.594	ug/l	96
60) Dibromochloromethane	10.908	129	87921	51.755	ug/l	100
61) 1,2-Dibromoethane	11.011	107	63333	51.918	ug/l	100
64) Tetrachloroethene	10.646	164	105457	48.675	ug/l	96
65) Chlorobenzene	11.438	112	260787	49.314	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	88854	48.874	ug/l	99
67) Ethyl Benzene	11.517	91	477337	48.197	ug/l	100
68) m/p-Xylenes	11.627	106	358636	96.099	ug/l	98
69) o-Xylene	11.950	106	172129	48.750	ug/l	97
70) Styrene	11.969	104	293880	49.341	ug/l	97
71) Bromoform	12.127	173	48601	49.528	ug/l #	98
73) Isopropylbenzene	12.249	105	439886	46.891	ug/l	99
74) N-amyl acetate	12.066	43	117444	43.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72744	50.422	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	51801m	45.155	ug/l	
77) Bromobenzene	12.529	156	96863	48.345	ug/l	98
78) n-propylbenzene	12.590	91	528345	46.693	ug/l	99
79) 2-Chlorotoluene	12.676	91	291139	46.821	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	352153	46.503	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	25319	44.709	ug/l	99
82) 4-Chlorotoluene	12.773	91	296665	46.384	ug/l	99
83) tert-Butylbenzene	12.993	119	314437	46.717	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	352182	46.850	ug/l	99
85) sec-Butylbenzene	13.170	105	466072	46.648	ug/l	100
86) p-Isopropyltoluene	13.291	119	389294	46.328	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	193664	47.349	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	185628	47.182	ug/l	99
89) n-Butylbenzene	13.615	91	363497	45.725	ug/l	99
90) Hexachloroethane	13.877	117	77688	45.800	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	165681	48.224	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11345	48.766	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	90319	45.511	ug/l	100
94) Hexachlorobutadiene	15.023	225	47105	42.563	ug/l	98
95) Naphthalene	15.145	128	185604	49.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	77625	46.108	ug/l	98

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

