

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022438.D
 Acq On : 27 May 2025 17:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 08:06:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	215940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	364513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	319704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120665	53.051	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.100%	
35) Dibromofluoromethane	7.634	113	110847	51.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.860%	
50) Toluene-d8	10.103	98	447277	51.398	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	12.401	95	133956	50.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	91750	44.534	ug/l	100
3) Chloromethane	2.068	50	238761	47.114	ug/l	99
4) Vinyl Chloride	2.202	62	329758	53.564	ug/l	98
5) Bromomethane	2.592	94	278873	49.847	ug/l	100
6) Chloroethane	2.732	64	227784	56.621	ug/l	99
7) Trichlorofluoromethane	3.050	101	293801	56.563	ug/l	97
8) Diethyl Ether	3.452	74	64970	54.247	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	113521	49.816	ug/l	99
10) Methyl Iodide	4.001	142	133073	51.761	ug/l	100
11) Tert butyl alcohol	4.866	59	47457	296.007	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	114561	50.636	ug/l	98
13) Acrolein	3.653	56	62039	258.255	ug/l	99
14) Allyl chloride	4.385	41	173903	51.098	ug/l	98
15) Acrylonitrile	5.055	53	137130	284.055	ug/l	99
16) Acetone	3.873	43	103688	277.421	ug/l #	89
17) Carbon Disulfide	4.104	76	358889	49.708	ug/l	99
18) Methyl Acetate	4.385	43	97215	69.436	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	327791	54.572	ug/l	98
20) Methylene Chloride	4.610	84	132094	50.049	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	125968	51.000	ug/l	99
22) Diisopropyl ether	6.018	45	397757	52.955	ug/l	99
23) Vinyl Acetate	5.958	43	1085430	251.677	ug/l	99
24) 1,1-Dichloroethane	5.915	63	231541	52.168	ug/l	100
25) 2-Butanone	6.896	43	177609	285.333	ug/l	96
26) 2,2-Dichloropropane	6.884	77	194187	48.319	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	148685	51.999	ug/l	99
28) Bromochloromethane	7.244	49	101033	54.514	ug/l	100
29) Tetrahydrofuran	7.262	42	118500	285.450	ug/l	99
30) Chloroform	7.421	83	233553	53.403	ug/l	99
31) Cyclohexane	7.701	56	205414	46.951	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	201031	50.648	ug/l	100
36) 1,1-Dichloropropene	7.835	75	168238	49.665	ug/l	99
37) Ethyl Acetate	6.988	43	77550	53.869	ug/l	99
38) Carbon Tetrachloride	7.817	117	179005	50.728	ug/l	97
39) Methylcyclohexane	9.109	83	220257	48.915	ug/l	98
40) Benzene	8.079	78	522962	51.884	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	47932	54.858	ug/l	93
42) 1,2-Dichloroethane	8.158	62	141760	53.251	ug/l	100
43) Isopropyl Acetate	8.195	43	174194	55.374	ug/l	100
44) Trichloroethene	8.866	130	129953	52.154	ug/l	98
45) 1,2-Dichloropropane	9.140	63	125086	52.819	ug/l	98
46) Dibromomethane	9.231	93	70737	53.469	ug/l	99
47) Bromodichloromethane	9.426	83	180193	52.966	ug/l	98
48) Methyl methacrylate	9.219	41	83183	56.964	ug/l	100
49) 1,4-Dioxane	9.231	88	18170	1243.469	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	454081	292.551	ug/l	100
52) Toluene	10.170	92	330369	52.475	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	167640	52.902	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	194643	52.274	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	90934	54.365	ug/l	99
56) Ethyl methacrylate	10.438	69	130742	54.468	ug/l	96
57) 1,3-Dichloropropane	10.719	76	160238	54.362	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	337645	282.246	ug/l	98
59) 2-Hexanone	10.762	43	300417	295.339	ug/l	98
60) Dibromochloromethane	10.908	129	117196	54.851	ug/l	98
61) 1,2-Dibromoethane	11.018	107	84983	55.550	ug/l	98
64) Tetrachloroethene	10.646	164	140398	51.564	ug/l	95
65) Chlorobenzene	11.438	112	348144	51.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	118142	51.150	ug/l	98
67) Ethyl Benzene	11.518	91	640745	50.620	ug/l	99
68) m/p-Xylenes	11.627	106	485062	101.074	ug/l	99
69) o-Xylene	11.956	106	231722	51.375	ug/l	99
70) Styrene	11.969	104	391490	52.127	ug/l	99
71) Bromoform	12.133	173	64997	53.724	ug/l #	99
73) Isopropylbenzene	12.255	105	588766	48.816	ug/l	100
74) N-amyl acetate	12.066	43	151521	51.341	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	99990	52.620	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	72584m	47.286	ug/l	
77) Bromobenzene	12.530	156	128001	49.317	ug/l	97
78) n-propylbenzene	12.597	91	714786	49.384	ug/l	100
79) 2-Chlorotoluene	12.676	91	386484	49.327	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	470592	49.937	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	33779	49.765	ug/l	100
82) 4-Chlorotoluene	12.773	91	396857	49.180	ug/l	99
83) tert-Butylbenzene	12.993	119	425162	49.935	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	474294	50.013	ug/l	99
85) sec-Butylbenzene	13.176	105	628153	49.747	ug/l	100
86) p-Isopropyltoluene	13.292	119	523705	49.668	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	260669	49.914	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	252310	50.528	ug/l	99
89) n-Butylbenzene	13.615	91	491561	49.721	ug/l	99
90) Hexachloroethane	13.877	117	105769	50.407	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	227011	52.043	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16260	55.375	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	124984	51.685	ug/l	98
94) Hexachlorobutadiene	15.023	225	63507	50.042	ug/l	97
95) Naphthalene	15.139	128	252996	56.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	106651	53.776	ug/l	99

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

