

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022352.D
 Acq On : 20 May 2025 19:34
 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 21 01:57:21 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	156300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	269294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	232477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	108209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	86994	50.927	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.860%			
35) Dibromofluoromethane	7.634	113	84001	52.262	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.103	98	335207	50.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.407	95	100185	48.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.860	85	70866	43.451	ug/l	98
3) Chloromethane	2.061	50	207434	60.463	ug/l	99
4) Vinyl Chloride	2.202	62	250474	65.347	ug/l	98
5) Bromomethane	2.592	94	228070	73.093	ug/l	94
6) Chloroethane	2.732	64	180960	75.888	ug/l	99
7) Trichlorofluoromethane	3.043	101	231291	59.600	ug/l	97
8) Diethyl Ether	3.451	74	46775	50.224	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.811	101	82524	48.983	ug/l	99
10) Methyl Iodide	4.000	142	103890	53.279	ug/l	99
11) Tert butyl alcohol	4.872	59	28583	219.118	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	82027	49.063	ug/l	95
13) Acrolein	3.653	56	22185	116.335	ug/l	95
14) Allyl chloride	4.378	41	129880	44.305	ug/l	94
15) Acrylonitrile	5.061	53	90850	236.743	ug/l	99
16) Acetone	3.878	43	64884	202.572	ug/l	89
17) Carbon Disulfide	4.104	76	259726	47.640	ug/l	100
18) Methyl Acetate	4.390	43	65971	65.325	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	229757	49.840	ug/l	96
20) Methylene Chloride	4.616	84	94985	45.894	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	91532	49.600	ug/l	97
22) Diisopropyl ether	6.018	45	288182	46.551	ug/l	97
23) Vinyl Acetate	5.963	43	761213	203.532	ug/l	97
24) 1,1-Dichloroethane	5.914	63	170278	49.233	ug/l	99
25) 2-Butanone	6.896	43	114073	212.914	ug/l	98
26) 2,2-Dichloropropane	6.884	77	139782	45.440	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	108929	51.151	ug/l	96
28) Bromochloromethane	7.243	49	76556	51.893	ug/l	97
29) Tetrahydrofuran	7.262	42	77770	225.623	ug/l	94
30) Chloroform	7.420	83	173358	52.256	ug/l	98
31) Cyclohexane	7.701	56	150143	43.449	ug/l	95
32) 1,1,1-Trichloroethane	7.615	97	149966	49.273	ug/l	98
36) 1,1-Dichloropropene	7.835	75	123302	46.575	ug/l	99
37) Ethyl Acetate	6.981	43	53536	42.028	ug/l	98
38) Carbon Tetrachloride	7.817	117	129179	47.139	ug/l	100
39) Methylcyclohexane	9.109	83	159735	44.910	ug/l	97
40) Benzene	8.079	78	386891	49.296	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	36184m	42.823	ug/l	
42) 1,2-Dichloroethane	8.158	62	99687	46.969	ug/l	100
43) Isopropyl Acetate	8.195	43	118614	42.697	ug/l	98
44) Trichloroethene	8.865	130	94587	48.470	ug/l	96
45) 1,2-Dichloropropane	9.139	63	90754	47.963	ug/l	99
46) Dibromomethane	9.231	93	49399	48.404	ug/l	98
47) Bromodichloromethane	9.420	83	131801	49.782	ug/l	99
48) Methyl methacrylate	9.219	41	53709	41.341	ug/l	86
49) 1,4-Dioxane	9.237	88	10527	913.074	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	301505	221.192	ug/l	97
52) Toluene	10.170	92	241443	48.582	ug/l	100
53) t-1,3-Dichloropropene	10.389	75	118392	45.821	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	140146	47.342	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	64540	49.386	ug/l	98
56) Ethyl methacrylate	10.438	69	92135	45.260	ug/l	96
57) 1,3-Dichloropropane	10.718	76	114395	49.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.706	63	241387	264.184	ug/l	98
59) 2-Hexanone	10.761	43	193624	211.859	ug/l	96
60) Dibromochloromethane	10.907	129	83771	49.387	ug/l	100
61) 1,2-Dibromoethane	11.011	107	60555	49.716	ug/l	100
64) Tetrachloroethene	10.645	164	101616	47.289	ug/l	98
65) Chlorobenzene	11.438	112	254846	48.589	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	86817	48.149	ug/l	98
67) Ethyl Benzene	11.517	91	470894	47.939	ug/l	97
68) m/p-Xylenes	11.627	106	354113	95.672	ug/l	96
69) o-Xylene	11.956	106	166817	47.636	ug/l	98
70) Styrene	11.968	104	284787	48.210	ug/l	98
71) Bromoform	12.133	173	44511	45.735	ug/l #	99
73) Isopropylbenzene	12.255	105	430749	48.050	ug/l	100
74) N-amyl acetate	12.066	43	106648	41.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	67549	48.996	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	51003m	46.524	ug/l	
77) Bromobenzene	12.529	156	92297	48.205	ug/l	98
78) n-propylbenzene	12.596	91	518171	47.921	ug/l	100
79) 2-Chlorotoluene	12.675	91	281249	47.331	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	343350	47.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	23115	42.713	ug/l	96
82) 4-Chlorotoluene	12.779	91	286286	46.840	ug/l	98
83) tert-Butylbenzene	12.999	119	307437	47.799	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	344069	47.897	ug/l	98
85) sec-Butylbenzene	13.175	105	455719	47.730	ug/l	99
86) p-Isopropyltoluene	13.291	119	378687	47.159	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	184189	47.124	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	178207	47.399	ug/l	98
89) n-Butylbenzene	13.614	91	352409	46.389	ug/l	98
90) Hexachloroethane	13.876	117	75941	46.849	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	158085	48.150	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10053	45.219	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	85505	45.087	ug/l	97
94) Hexachlorobutadiene	15.023	225	43873	41.483	ug/l	99
95) Naphthalene	15.145	128	165364	45.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	71044	44.159	ug/l	98

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

