

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022511.D
 Acq On : 03 Jun 2025 10:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
 Supervised By :Semsettin Yesilyurt 06/04/2025

Quant Time: Jun 04 04:08:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	187797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	325302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	276655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130385	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.066	65	108238	51.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.060%	
35) Dibromofluoromethane	7.640	113	97475	50.202	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.400%	
50) Toluene-d8	10.109	98	398159	50.750	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	12.407	95	115160	49.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.520%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.866	85	75927	45.159	ug/l	99
3) Chloromethane	2.068	50	247189	49.765	ug/l	98
4) Vinyl Chloride	2.208	62	292986	50.846	ug/l	99
5) Bromomethane	2.598	94	261600	47.366	ug/l	99
6) Chloroethane	2.738	64	206973	52.331	ug/l	98
7) Trichlorofluoromethane	3.055	101	238847	48.826	ug/l	99
8) Diethyl Ether	3.458	74	55565	50.439	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.823	101	98243	47.685	ug/l	99
10) Methyl Iodide	4.006	142	116238	52.134	ug/l	99
11) Tert butyl alcohol	4.890	59	37588	250.557	ug/l	98
12) 1,1-Dichloroethene	3.793	96	96260	48.879	ug/l	95
13) Acrolein	3.659	56	44427	237.627	ug/l	98
14) Allyl chloride	4.390	41	154530	49.983	ug/l	99
15) Acrylonitrile	5.067	53	118258	253.468	ug/l	99
16) Acetone	3.884	43	91451	214.391	ug/l	97
17) Carbon Disulfide	4.110	76	315520	50.043	ug/l	97
18) Methyl Acetate	4.390	43	69944	55.372	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	280632	50.593	ug/l	99
20) Methylene Chloride	4.622	84	108749	44.882	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	112230	50.918	ug/l	100
22) Diisopropyl ether	6.024	45	347494	50.496	ug/l	98
23) Vinyl Acetate	5.969	43	1020040	250.435	ug/l	100
24) 1,1-Dichloroethane	5.921	63	207429	51.165	ug/l	99
25) 2-Butanone	6.902	43	150087	243.928	ug/l	96
26) 2,2-Dichloropropane	6.890	77	179492	50.109	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	131693	51.693	ug/l	98
28) Bromochloromethane	7.250	49	104897	59.357	ug/l	99
29) Tetrahydrofuran	7.268	42	100100	252.240	ug/l	98
30) Chloroform	7.426	83	207435	51.658	ug/l	92
31) Cyclohexane	7.707	56	185038	45.846	ug/l	98
32) 1,1,1-Trichloroethane	7.621	97	181822	51.007	ug/l	100
36) 1,1-Dichloropropene	7.841	75	153258	48.633	ug/l	99
37) Ethyl Acetate	6.994	43	69356	49.352	ug/l	98
38) Carbon Tetrachloride	7.823	117	158278	48.960	ug/l	98
39) Methylcyclohexane	9.115	83	200361	47.312	ug/l	95
40) Benzene	8.085	78	467282	50.204	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	41205m	50.197	ug/l	
42) 1,2-Dichloroethane	8.164	62	128548	50.581	ug/l	98
43) Isopropyl Acetate	8.201	43	150269	49.510	ug/l	99
44) Trichloroethene	8.871	130	111488	49.009	ug/l	95
45) 1,2-Dichloropropane	9.146	63	111633	50.749	ug/l	95
46) Dibromomethane	9.231	93	62344	50.378	ug/l	99
47) Bromodichloromethane	9.426	83	160659	51.199	ug/l	97
48) Methyl methacrylate	9.225	41	72544	50.927	ug/l	99
49) 1,4-Dioxane	9.243	88	13838	943.857	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	383731	253.585	ug/l	99
52) Toluene	10.176	92	292952	50.084	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	149694	50.914	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	172592	50.428	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	79092	50.121	ug/l	96
56) Ethyl methacrylate	10.444	69	114501	50.203	ug/l	99
57) 1,3-Dichloropropane	10.718	76	139564	49.900	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	279007	269.440	ug/l	100
59) 2-Hexanone	10.761	43	251489	248.499	ug/l	99
60) Dibromochloromethane	10.914	129	101429	50.578	ug/l	98
61) 1,2-Dibromoethane	11.017	107	73106	50.829	ug/l	97
64) Tetrachloroethene	10.651	164	116688	49.032	ug/l	98
65) Chlorobenzene	11.444	112	309162	50.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	102149	49.530	ug/l	99
67) Ethyl Benzene	11.523	91	569736	50.175	ug/l	97
68) m/p-Xylenes	11.633	106	423248	98.325	ug/l	99
69) o-Xylene	11.956	106	197139	48.847	ug/l	95
70) Styrene	11.968	104	337617	50.608	ug/l	99
71) Bromoform	12.133	173	54008	49.211	ug/l #	97
73) Isopropylbenzene	12.255	105	523520	48.906	ug/l	99
74) N-amyl acetate	12.072	43	134344	49.739	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	87261	49.668	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	83401m	55.912	ug/l	
77) Bromobenzene	12.535	156	112367	49.743	ug/l	99
78) n-propylbenzene	12.596	91	641434	49.060	ug/l	99
79) 2-Chlorotoluene	12.682	91	340867	49.190	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	416181	49.521	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	30494	49.369	ug/l	96
82) 4-Chlorotoluene	12.779	91	343404	48.038	ug/l	99
83) tert-Butylbenzene	12.999	119	371831	49.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.047	105	417788	49.704	ug/l	100
85) sec-Butylbenzene	13.175	105	567452	49.121	ug/l	100
86) p-Isopropyltoluene	13.291	119	464860	48.819	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	225894	49.356	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	216249	48.715	ug/l	99
89) n-Butylbenzene	13.620	91	452386	50.075	ug/l	99
90) Hexachloroethane	13.883	117	91854	49.550	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	191317	49.234	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13456	52.605	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	108808	51.341	ug/l	96
94) Hexachlorobutadiene	15.023	225	56388	48.206	ug/l	98
95) Naphthalene	15.145	128	209808	51.588	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	91404	50.325	ug/l	99

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

