

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022891.D
 Acq On : 01 Jul 2025 10:32
 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 07/02/2025
 Supervised By :Semsettin Yesilyurt 07/02/2025

Quant Time: Jul 02 02:41:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	433923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	723740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	623953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	315665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242716	50.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.240%			
35) Dibromofluoromethane	7.634	113	228987	52.026	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.060%			
50) Toluene-d8	10.103	98	909677	52.084	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.401	95	297945	53.066	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	188731	50.864	ug/l	95
3) Chloromethane	2.068	50	424443	59.905	ug/l	100
4) Vinyl Chloride	2.208	62	475845	53.756	ug/l	100
5) Bromomethane	2.598	94	375326	53.934	ug/l	99
6) Chloroethane	2.738	64	329699	55.410	ug/l	98
7) Trichlorofluoromethane	3.055	101	503992	51.420	ug/l	99
8) Diethyl Ether	3.458	74	133207	55.025	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	243661	54.398	ug/l	97
10) Methyl Iodide	4.007	142	268256	55.006	ug/l	99
11) Tert butyl alcohol	4.878	59	78565	243.971	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	239544	54.539	ug/l	97
13) Acrolein	3.659	56	59342	135.897	ug/l	97
14) Allyl chloride	4.385	41	388175	57.459	ug/l	94
15) Acrylonitrile	5.061	53	273022	270.308	ug/l	99
16) Acetone	3.879	43	269518	294.437	ug/l	96
17) Carbon Disulfide	4.110	76	761834	53.692	ug/l	99
18) Methyl Acetate	4.391	43	139969	46.173	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	656704	54.912	ug/l	100
20) Methylene Chloride	4.616	84	295695	51.151	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	271108	54.009	ug/l	100
22) Diisopropyl ether	6.018	45	864680	57.634	ug/l	98
23) Vinyl Acetate	5.964	43	2418826	291.920	ug/l	99
24) 1,1-Dichloroethane	5.921	63	508724	56.137	ug/l	99
25) 2-Butanone	6.902	43	372472	279.582	ug/l	100
26) 2,2-Dichloropropane	6.884	77	445879	58.696	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	323021	55.379	ug/l	99
28) Bromochloromethane	7.244	49	194998	51.183	ug/l	95
29) Tetrahydrofuran	7.268	42	227624	270.581	ug/l	99
30) Chloroform	7.421	83	507044	54.324	ug/l	96
31) Cyclohexane	7.701	56	449838	54.077	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	446987	55.417	ug/l	99
36) 1,1-Dichloropropene	7.835	75	373288	55.953	ug/l	99
37) Ethyl Acetate	6.988	43	156501	54.362	ug/l	98
38) Carbon Tetrachloride	7.823	117	394298	56.013	ug/l	97
39) Methylcyclohexane	9.109	83	495931	57.442	ug/l	99
40) Benzene	8.079	78	1149332	56.033	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	102083m	57.599	ug/l	
42) 1,2-Dichloroethane	8.158	62	307948	54.787	ug/l	99
43) Isopropyl Acetate	8.201	43	334915	55.974	ug/l	97
44) Trichloroethene	8.865	130	278239	54.028	ug/l	97
45) 1,2-Dichloropropane	9.140	63	270780	56.405	ug/l	98
46) Dibromomethane	9.231	93	145493	53.388	ug/l	96
47) Bromodichloromethane	9.426	83	392078	55.793	ug/l	97
48) Methyl methacrylate	9.219	41	155937	54.212	ug/l	95
49) 1,4-Dioxane	9.237	88	31890	990.459	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	852601	280.406	ug/l	96
52) Toluene	10.170	92	732726	56.623	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	365810	57.856	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	420354	57.337	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	191290	54.208	ug/l	98
56) Ethyl methacrylate	10.438	69	274119	57.738	ug/l	97
57) 1,3-Dichloropropane	10.719	76	340574	55.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	644190	257.649	ug/l	99
59) 2-Hexanone	10.761	43	590302	285.553	ug/l	97
60) Dibromochloromethane	10.908	129	250286	54.910	ug/l	100
61) 1,2-Dibromoethane	11.011	107	177577	53.775	ug/l	97
64) Tetrachloroethene	10.646	164	297003	50.387	ug/l	97
65) Chlorobenzene	11.438	112	777415	56.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	260226	56.038	ug/l	99
67) Ethyl Benzene	11.517	91	1415552	58.764	ug/l	98
68) m/p-Xylenes	11.627	106	1094333	117.521	ug/l	100
69) o-Xylene	11.950	106	513781	58.557	ug/l	100
70) Styrene	11.969	104	863151	58.730	ug/l	99
71) Bromoform	12.133	173	140762	54.439	ug/l #	98
73) Isopropylbenzene	12.249	105	1342670	57.513	ug/l	99
74) N-amyl acetate	12.066	43	310947	59.339	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	212401	56.452	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	182917m	56.759	ug/l	
77) Bromobenzene	12.529	156	290824	54.959	ug/l	99
78) n-propylbenzene	12.590	91	1648681	58.492	ug/l	99
79) 2-Chlorotoluene	12.676	91	909020	57.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1100453	58.392	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	72325	56.699	ug/l	98
82) 4-Chlorotoluene	12.773	91	946044	56.557	ug/l	100
83) tert-Butylbenzene	12.993	119	973249	58.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1100862	58.344	ug/l	99
85) sec-Butylbenzene	13.170	105	1480916	59.220	ug/l	99
86) p-Isopropyltoluene	13.285	119	1244473	59.801	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	599706	56.430	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	579169	54.863	ug/l	99
89) n-Butylbenzene	13.615	91	1176870	60.121	ug/l	99
90) Hexachloroethane	13.877	117	235640	56.852	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	516734	55.174	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32570	51.046	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	282885	53.498	ug/l	98
94) Hexachlorobutadiene	15.023	225	156829	52.448	ug/l	99
95) Naphthalene	15.139	128	499754	52.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	230647	50.477	ug/l	97

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

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