

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023786.D
 Acq On : 24 Nov 2025 13:25
 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 : John Carlone 12/01/2025
 Supervised By : Mahesh Dadoda 12/01/2025

Quant Time: Nov 26 02:08:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	519620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	774374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	764071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	352043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221828	50.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.100%			
35) Dibromofluoromethane	7.634	113	249862	51.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.260%			
50) Toluene-d8	10.103	98	969764	53.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.600%			
62) 4-Bromofluorobenzene	12.402	95	367798	63.090	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 126.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	148975	43.676	ug/l	98
3) Chloromethane	2.074	50	250471	52.475	ug/l	98
4) Vinyl Chloride	2.208	62	316759	51.000	ug/l	99
5) Bromomethane	2.598	94	214878	41.128	ug/l	99
6) Chloroethane	2.739	64	198893	46.332	ug/l	99
7) Trichlorofluoromethane	3.062	101	436256	49.872	ug/l	100
8) Diethyl Ether	3.458	74	110855	47.257	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	254172	52.738	ug/l	97
10) Methyl Iodide	4.007	142	280001	49.200	ug/l	98
11) Tert butyl alcohol	4.842	59	75455	264.009	ug/l	96
12) 1,1-Dichloroethene	3.793	96	237155	51.082	ug/l	91
13) Acrolein	3.647	56	25384	69.100	ug/l	99
14) Allyl chloride	4.385	41	342631	60.633	ug/l	94
15) Acrylonitrile	5.049	53	223288	249.079	ug/l	100
16) Acetone	3.860	43	263719	239.360	ug/l	98
17) Carbon Disulfide	4.110	76	744752	52.266	ug/l	100
18) Methyl Acetate	4.385	43	122752	50.512	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	512288	47.587	ug/l	98
20) Methylene Chloride	4.616	84	284836	53.553	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	280006	53.491	ug/l	95
22) Diisopropyl ether	6.019	45	759038	60.281	ug/l	97
23) Vinyl Acetate	5.958	43	1829800	272.314	ug/l	96
24) 1,1-Dichloroethane	5.915	63	481278	57.374	ug/l	99
25) 2-Butanone	6.890	43	299899	235.429	ug/l	94
26) 2,2-Dichloropropane	6.884	77	425525	55.147	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	313581	52.452	ug/l	93
28) Bromochloromethane	7.244	49	182345	56.772	ug/l	84
29) Tetrahydrofuran	7.262	42	164870	243.025	ug/l	91
30) Chloroform	7.421	83	503195	53.764	ug/l	99
31) Cyclohexane	7.701	56	415854	56.926	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	445844	53.299	ug/l	99
36) 1,1-Dichloropropene	7.835	75	360313	55.719	ug/l	98
37) Ethyl Acetate	6.982	43	119005	47.538	ug/l	99
38) Carbon Tetrachloride	7.817	117	396861	52.088	ug/l	99
39) Methylcyclohexane	9.109	83	455439	55.120	ug/l	95
40) Benzene	8.079	78	1137236	55.793	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	63934	46.788	ug/l	96
42) 1,2-Dichloroethane	8.158	62	259363	50.295	ug/l	99
43) Isopropyl Acetate	8.195	43	225072	47.851	ug/l	96
44) Trichloroethene	8.866	130	287561	49.118	ug/l	96
45) 1,2-Dichloropropane	9.140	63	256728	57.069	ug/l	100
46) Dibromomethane	9.231	93	135992	48.789	ug/l	94
47) Bromodichloromethane	9.420	83	377086	53.658	ug/l	97
48) Methyl methacrylate	9.219	41	111387	50.124	ug/l	95
49) 1,4-Dioxane	9.219	88	26395	925.316	ug/l	91
51) 4-Methyl-2-Pentanone	9.993	43	598838	239.403	ug/l	97
52) Toluene	10.170	92	713577	54.834	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	304870	51.271	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	380939	53.471	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	193510	51.949	ug/l	96
56) Ethyl methacrylate	10.438	69	206437	50.299	ug/l	97
57) 1,3-Dichloropropane	10.713	76	322801	54.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	500913	265.976	ug/l	94
59) 2-Hexanone	10.756	43	439458	240.807	ug/l	99
60) Dibromochloromethane	10.908	129	267188	52.204	ug/l	100
61) 1,2-Dibromoethane	11.012	107	177688	50.829	ug/l	100
64) Tetrachloroethene	10.646	164	359596	45.216	ug/l	99
65) Chlorobenzene	11.438	112	847782	50.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	294521	50.073	ug/l	99
67) Ethyl Benzene	11.518	91	1488052	55.274	ug/l	97
68) m/p-Xylenes	11.627	106	1155220	107.402	ug/l	96
69) o-Xylene	11.950	106	520566	52.356	ug/l	96
70) Styrene	11.969	104	855518	52.150	ug/l	99
71) Bromoform	12.127	173	147839	43.036	ug/l	99
73) Isopropylbenzene	12.249	105	1389909	59.031	ug/l	99
74) N-amyl acetate	12.066	43	195402	49.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	190337	50.615	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	155883m	54.713	ug/l	
77) Bromobenzene	12.530	156	328725	53.823	ug/l	94
78) n-propylbenzene	12.591	91	1656517	59.812	ug/l	99
79) 2-Chlorotoluene	12.676	91	942557	58.649	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	1130675	59.104	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	60854	48.270	ug/l	95
82) 4-Chlorotoluene	12.773	91	954179	57.570	ug/l	98
83) tert-Butylbenzene	12.993	119	990999	56.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1102630	58.193	ug/l	99
85) sec-Butylbenzene	13.170	105	1476995	58.773	ug/l	99
86) p-Isopropyltoluene	13.286	119	1234779	58.041	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	628563	52.289	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	591170	50.065	ug/l	99
89) n-Butylbenzene	13.615	91	1078394	58.293	ug/l	99
90) Hexachloroethane	13.877	117	250084	54.701	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	524668	50.647	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	25131	43.404	ug/l	94
93) 1,2,4-Trichlorobenzene	14.913	180	291785	49.243	ug/l	100
94) Hexachlorobutadiene	15.017	225	217175	55.938	ug/l	100
95) Naphthalene	15.139	128	415969	41.191	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	246697	49.831	ug/l	99

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

