

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023774.D
 Acq On : 13 Nov 2025 09:48
 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 :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:20:12 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	535734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	769382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	787003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	393514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	232074	50.783	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.560%			
35) Dibromofluoromethane	7.634	113	249525	51.897	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.800%			
50) Toluene-d8	10.109	98	947301	52.891	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.408	95	380600	65.710	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 131.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	153156	43.551	ug/l	99
3) Chloromethane	2.074	50	225434	45.809	ug/l	98
4) Vinyl Chloride	2.208	62	289443	45.200	ug/l	98
5) Bromomethane	2.599	94	224410	41.661	ug/l	96
6) Chloroethane	2.739	64	195187	44.101	ug/l	99
7) Trichlorofluoromethane	3.062	101	471261	52.254	ug/l	99
8) Diethyl Ether	3.458	74	121627	50.290	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	254154	51.148	ug/l	100
10) Methyl Iodide	4.007	142	300594	51.229	ug/l	100
11) Tert butyl alcohol	4.854	59	79122	268.512	ug/l	99
12) 1,1-Dichloroethene	3.793	96	239632	50.063	ug/l	99
13) Acrolein	3.653	56	52209	137.849	ug/l	99
14) Allyl chloride	4.385	41	312682	53.669	ug/l	95
15) Acrylonitrile	5.055	53	255925	276.898	ug/l	99
16) Acetone	3.867	43	300501	264.541	ug/l	97
17) Carbon Disulfide	4.110	76	730386	49.716	ug/l	99
18) Methyl Acetate	4.385	43	121442	48.470	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	590306	53.185	ug/l	97
20) Methylene Chloride	4.616	84	271105	49.438	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	277847	51.482	ug/l	92
22) Diisopropyl ether	6.019	45	724113	55.778	ug/l	97
23) Vinyl Acetate	5.958	43	1988757	287.068	ug/l	98
24) 1,1-Dichloroethane	5.915	63	454928	52.602	ug/l	99
25) 2-Butanone	6.897	43	347692	264.738	ug/l	99
26) 2,2-Dichloropropane	6.884	77	416127	52.307	ug/l	100
27) cis-1,2-Dichloroethene	6.897	96	316159	51.293	ug/l	97
28) Bromochloromethane	7.244	49	177667	53.652	ug/l	96
29) Tetrahydrofuran	7.262	42	198772	284.185	ug/l	97
30) Chloroform	7.421	83	500360	51.853	ug/l	100
31) Cyclohexane	7.701	56	379657	50.408	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	447239	51.858	ug/l	99
36) 1,1-Dichloropropene	7.835	75	345108	53.714	ug/l	99
37) Ethyl Acetate	6.982	43	143974	57.886	ug/l	100
38) Carbon Tetrachloride	7.817	117	403694	53.328	ug/l	97
39) Methylcyclohexane	9.110	83	441809	53.818	ug/l	96
40) Benzene	8.079	78	1093681	54.004	ug/l	99

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41) Methacrylonitrile	7.220	41	67188	49.489	ug/l	90
42) 1,2-Dichloroethane	8.159	62	276317	53.930	ug/l	99
43) Isopropyl Acetate	8.195	43	262605	56.193	ug/l	99
44) Trichloroethene	8.866	130	301949	51.910	ug/l	96
45) 1,2-Dichloropropane	9.140	63	245362	54.896	ug/l	100
46) Dibromomethane	9.231	93	151169	54.586	ug/l	98
47) Bromodichloromethane	9.420	83	380563	54.504	ug/l	99
48) Methyl methacrylate	9.219	41	128160	58.046	ug/l	98
49) 1,4-Dioxane	9.225	88	31032	1094.931	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	729813	293.657	ug/l	99
52) Toluene	10.170	92	709757	54.895	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	327128	55.371	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	390104	55.113	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	200597	54.201	ug/l	95
56) Ethyl methacrylate	10.439	69	243194	59.640	ug/l	99
57) 1,3-Dichloropropane	10.719	76	324147	55.218	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	567252	303.155	ug/l	98
59) 2-Hexanone	10.762	43	519217	286.358	ug/l	100
60) Dibromochloromethane	10.914	129	275080	54.095	ug/l	99
61) 1,2-Dibromoethane	11.018	107	187603	54.013	ug/l	99
64) Tetrachloroethene	10.646	164	378366	46.190	ug/l	98
65) Chlorobenzene	11.445	112	866308	50.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	330235	54.509	ug/l	99
67) Ethyl Benzene	11.518	91	1558469	56.203	ug/l	99
68) m/p-Xylenes	11.627	106	1232148	111.216	ug/l	98
69) o-Xylene	11.957	106	583473	56.973	ug/l	99
70) Styrene	11.969	104	975092	57.707	ug/l	99
71) Bromoform	12.133	173	201730	57.012	ug/l #	100
73) Isopropylbenzene	12.255	105	1481388	56.286	ug/l	100
74) N-amyl acetate	12.072	43	233575	52.419	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	231287	55.023	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	178573m	56.071	ug/l	
77) Bromobenzene	12.530	156	380070	55.672	ug/l	97
78) n-propylbenzene	12.597	91	1707917	55.169	ug/l	100
79) 2-Chlorotoluene	12.682	91	1001802	55.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1195577	55.910	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	77062	54.684	ug/l	97
82) 4-Chlorotoluene	12.780	91	1013044	54.680	ug/l	99
83) tert-Butylbenzene	12.999	119	1006497	51.679	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1151348	54.360	ug/l	99
85) sec-Butylbenzene	13.176	105	1548572	55.127	ug/l	100
86) p-Isopropyltoluene	13.292	119	1307126	54.967	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	699161	52.033	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	669229	50.702	ug/l	99
89) n-Butylbenzene	13.615	91	1139075	55.085	ug/l	98
90) Hexachloroethane	13.877	117	259100	50.701	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	594274	51.320	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34039	52.594	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	341751	51.597	ug/l	100
94) Hexachlorobutadiene	15.023	225	198442	45.727	ug/l	99
95) Naphthalene	15.145	128	486905	42.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	263770	47.665	ug/l	100

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

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