

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023847.D
 Acq On : 01 Dec 2025 17:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 03:19:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	447738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	729750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	652343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	210153	48.197	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.400%		
35) Dibromofluoromethane	7.640	113	207697	48.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.100%		
50) Toluene-d8	10.109	98	829442	48.305	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.620%		
62) 4-Bromofluorobenzene	12.408	95	274629	48.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	131256	38.899	ug/l	97
3) Chloromethane	2.074	50	210764	40.829	ug/l	99
4) Vinyl Chloride	2.214	62	235867	42.238	ug/l	98
5) Bromomethane	2.604	94	171916	43.641	ug/l	97
6) Chloroethane	2.745	64	167623	46.059	ug/l	100
7) Trichlorofluoromethane	3.068	101	325896	43.166	ug/l	98
8) Diethyl Ether	3.458	74	107739	45.309	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	199137	45.193	ug/l	99
10) Methyl Iodide	4.013	142	204322	42.316	ug/l	100
11) Tert butyl alcohol	4.860	59	57331	160.094	ug/l	97
12) 1,1-Dichloroethene	3.799	96	193285	44.588	ug/l	98
13) Acrolein	3.659	56	107810	209.421	ug/l	99
14) Allyl chloride	4.391	41	328947	47.899	ug/l	98
15) Acrylonitrile	5.061	53	234863	228.846	ug/l	99
16) Acetone	3.872	43	232802	185.313	ug/l	97
17) Carbon Disulfide	4.116	76	531216	37.971	ug/l	99
18) Methyl Acetate	4.391	43	120273	49.575	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	515842	46.564	ug/l	98
20) Methylene Chloride	4.622	84	229951	43.297	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	220154	45.869	ug/l	98
22) Diisopropyl ether	6.024	45	771367	51.946	ug/l	98
23) Vinyl Acetate	5.964	43	1929686	233.689	ug/l	99
24) 1,1-Dichloroethane	5.921	63	433358	49.609	ug/l	98
25) 2-Butanone	6.896	43	305689	199.389	ug/l	100
26) 2,2-Dichloropropane	6.890	77	326551	42.173	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	270546	48.540	ug/l	99
28) Bromochloromethane	7.250	49	178541	49.135	ug/l	97
29) Tetrahydrofuran	7.268	42	192111	224.665	ug/l	97
30) Chloroform	7.427	83	441898	50.308	ug/l	100
31) Cyclohexane	7.707	56	349945	41.745	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	377245	48.383	ug/l	99
36) 1,1-Dichloropropene	7.841	75	297252	44.847	ug/l	100
37) Ethyl Acetate	6.988	43	134752	43.222	ug/l	99
38) Carbon Tetrachloride	7.823	117	331392	45.549	ug/l	99
39) Methylcyclohexane	9.109	83	369959	42.263	ug/l	99
40) Benzene	8.085	78	962435	47.184	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	71959	46.232	ug/l	96
42) 1,2-Dichloroethane	8.158	62	249714	47.488	ug/l	99
43) Isopropyl Acetate	8.201	43	261284	44.846	ug/l	99
44) Trichloroethene	8.865	130	248870	47.554	ug/l	97
45) 1,2-Dichloropropane	9.146	63	236487	49.175	ug/l	98
46) Dibromomethane	9.231	93	121543	46.576	ug/l	99
47) Bromodichloromethane	9.426	83	335239	49.156	ug/l	98
48) Methyl methacrylate	9.225	41	122803	44.768	ug/l	96
49) 1,4-Dioxane	9.231	88	24745	846.099	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	689273	224.731	ug/l	98
52) Toluene	10.170	92	608980	48.160	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	288852	46.237	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	349871	46.787	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	166917	47.750	ug/l	99
56) Ethyl methacrylate	10.444	69	211727	46.128	ug/l	98
57) 1,3-Dichloropropane	10.719	76	291822	47.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	524954	238.074	ug/l	100
59) 2-Hexanone	10.761	43	461630	203.536	ug/l	99
60) Dibromochloromethane	10.914	129	225415	48.054	ug/l	98
61) 1,2-Dibromoethane	11.018	107	149535	46.085	ug/l	98
64) Tetrachloroethene	10.652	164	319597	51.644	ug/l	97
65) Chlorobenzene	11.444	112	665068	46.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	231195	47.526	ug/l	99
67) Ethyl Benzene	11.517	91	1160113	47.432	ug/l	100
68) m/p-Xylenes	11.627	106	899744	95.464	ug/l	99
69) o-Xylene	11.956	106	422198	47.782	ug/l	99
70) Styrene	11.969	104	705730	48.485	ug/l	99
71) Bromoform	12.133	173	127435	44.910	ug/l	100
73) Isopropylbenzene	12.255	105	1118434	46.966	ug/l	100
74) N-amyl acetate	12.072	43	223669	42.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	152745	38.959	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	138344m	47.413	ug/l	
77) Bromobenzene	12.536	156	253818	45.315	ug/l	99
78) n-propylbenzene	12.596	91	1335472	46.579	ug/l	99
79) 2-Chlorotoluene	12.682	91	765194	46.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	913368	46.983	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	57217	41.448	ug/l	97
82) 4-Chlorotoluene	12.779	91	787868	46.491	ug/l	100
83) tert-Butylbenzene	12.999	119	806306	46.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	911928	46.938	ug/l	100
85) sec-Butylbenzene	13.176	105	1207562	46.842	ug/l	99
86) p-Isopropyltoluene	13.291	119	999259	46.374	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	508226	45.273	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	496543	44.314	ug/l	100
89) n-Butylbenzene	13.621	91	890707	45.082	ug/l	99
90) Hexachloroethane	13.883	117	209699	46.319	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	447558	45.591	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25925	39.504	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	244258	41.732	ug/l	98
94) Hexachlorobutadiene	15.023	225	154861	42.485	ug/l	99
95) Naphthalene	15.145	128	408305	41.364	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	211509	42.430	ug/l	99

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

