

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023422.D
 Acq On : 09 Oct 2025 15:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025
 Supervised By :Semsettin Yesilyurt 10/10/2025

Quant Time: Oct 10 04:27:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	558478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	812244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	722646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	385676	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	213511	45.719	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.440%
35) Dibromofluoromethane	7.634	113	245759	49.242	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.109	98	928409	49.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.900%
62) 4-Bromofluorobenzene	12.402	95	303932	49.530	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	173722	43.216	ug/l	98
3) Chloromethane	2.074	50	240154	43.855	ug/l	98
4) Vinyl Chloride	2.208	62	318525	44.658	ug/l	99
5) Bromomethane	2.598	94	253498	42.351	ug/l	100
6) Chloroethane	2.739	64	230934	47.498	ug/l	95
7) Trichlorofluoromethane	3.062	101	440459	44.475	ug/l	99
8) Diethyl Ether	3.458	74	114313	44.174	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	245419	47.755	ug/l	99
10) Methyl Iodide	4.007	142	318247	55.627	ug/l	99
11) Tert butyl alcohol	4.854	59	64374	185.288	ug/l	98
12) 1,1-Dichloroethene	3.793	96	234900	47.152	ug/l	97
13) Acrolein	3.653	56	84800	172.736	ug/l	100
14) Allyl chloride	4.391	41	286184	47.137	ug/l	99
15) Acrylonitrile	5.061	53	214413	216.504	ug/l	100
16) Acetone	3.866	43	215867	194.160	ug/l	99
17) Carbon Disulfide	4.110	76	674338	47.294	ug/l	99
18) Methyl Acetate	4.391	43	128469	44.049	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	544433	45.471	ug/l	96
20) Methylene Chloride	4.622	84	267856	44.554	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	265696	48.442	ug/l	99
22) Diisopropyl ether	6.025	45	641783	47.788	ug/l	99
23) Vinyl Acetate	5.964	43	1635612	225.007	ug/l	99
24) 1,1-Dichloroethane	5.921	63	424001	47.662	ug/l	96
25) 2-Butanone	6.896	43	264795	195.085	ug/l	97
26) 2,2-Dichloropropane	6.890	77	392413	48.073	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	309222	48.807	ug/l	97
28) Bromochloromethane	7.250	49	145033	43.672	ug/l	100
29) Tetrahydrofuran	7.262	42	159029	206.612	ug/l	99
30) Chloroform	7.427	83	474807	48.579	ug/l	97
31) Cyclohexane	7.707	56	353839	45.546	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	429797	48.389	ug/l	100
36) 1,1-Dichloropropene	7.841	75	324567	49.122	ug/l	100
37) Ethyl Acetate	6.988	43	113609	43.401	ug/l	97
38) Carbon Tetrachloride	7.823	117	391939	48.920	ug/l	99
39) Methylcyclohexane	9.109	83	427345	49.674	ug/l	99
40) Benzene	8.079	78	1026837	49.072	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	62336	44.031	ug/l	99
42) 1,2-Dichloroethane	8.158	62	249305	46.197	ug/l	100
43) Isopropyl Acetate	8.201	43	226471	43.388	ug/l	98
44) Trichloroethene	8.866	130	300602	49.082	ug/l	96
45) 1,2-Dichloropropane	9.140	63	227958	49.322	ug/l	100
46) Dibromomethane	9.231	93	137993	47.217	ug/l	98
47) Bromodichloromethane	9.426	83	358262	48.674	ug/l	99
48) Methyl methacrylate	9.219	41	110792	45.182	ug/l	99
49) 1,4-Dioxane	9.231	88	28596	843.926	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	594569	220.470	ug/l	99
52) Toluene	10.170	92	683023	50.273	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	302922	47.331	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	368237	48.750	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	185073	47.092	ug/l	95
56) Ethyl methacrylate	10.438	69	213144	47.017	ug/l	98
57) 1,3-Dichloropropane	10.719	76	293987	47.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	510647	251.447	ug/l	99
59) 2-Hexanone	10.762	43	406079	210.702	ug/l	100
60) Dibromochloromethane	10.914	129	262634	47.665	ug/l	100
61) 1,2-Dibromoethane	11.012	107	175654	46.865	ug/l	99
64) Tetrachloroethene	10.646	164	366764	49.153	ug/l	98
65) Chlorobenzene	11.444	112	758854	48.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	268436	47.927	ug/l	98
67) Ethyl Benzene	11.518	91	1276859	50.188	ug/l	100
68) m/p-Xylenes	11.627	106	1025329	100.479	ug/l	99
69) o-Xylene	11.957	106	482553	50.416	ug/l	99
70) Styrene	11.969	104	795370	50.532	ug/l	99
71) Bromoform	12.133	173	155440	44.741	ug/l #	99
73) Isopropylbenzene	12.255	105	1254928	49.374	ug/l	99
74) N-amyl acetate	12.066	43	193646	42.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	177466	42.690	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	159694m	46.932	ug/l	
77) Bromobenzene	12.530	156	312920	46.310	ug/l	99
78) n-propylbenzene	12.597	91	1464938	49.807	ug/l	100
79) 2-Chlorotoluene	12.676	91	829811	48.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1013203	49.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	59298	42.734	ug/l	99
82) 4-Chlorotoluene	12.773	91	848973	47.861	ug/l	100
83) tert-Butylbenzene	12.993	119	939292	49.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1011089	49.328	ug/l	99
85) sec-Butylbenzene	13.176	105	1344524	49.426	ug/l	99
86) p-Isopropyltoluene	13.292	119	1149528	49.632	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	611832	46.499	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	588363	45.275	ug/l	99
89) n-Butylbenzene	13.615	91	983980	48.758	ug/l	99
90) Hexachloroethane	13.877	117	233976	46.969	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	525939	45.591	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27273	39.984	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	308064	42.836	ug/l	99
94) Hexachlorobutadiene	15.023	225	198725	44.328	ug/l	99
95) Naphthalene	15.139	128	461409	40.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	259430	41.646	ug/l	100

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

