

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023278.D
 Acq On : 04 Sep 2025 08:56
 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 09/05/2025
 Supervised By :Semsettin Yesilyurt 09/05/2025

Quant Time: Sep 05 04:21:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	483459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	713989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	643958	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	332706	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	217560	47.217	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.440%
35) Dibromofluoromethane	7.640	113	233698	54.701	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.400%
50) Toluene-d8	10.109	98	873119	52.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.408	95	284561	53.016	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	161097	40.823	ug/l	99
3) Chloromethane	2.074	50	262568	41.080	ug/l	99
4) Vinyl Chloride	2.208	62	342795	43.386	ug/l	98
5) Bromomethane	2.598	94	270707	45.877	ug/l	97
6) Chloroethane	2.739	64	244115	46.473	ug/l	98
7) Trichlorofluoromethane	3.056	101	452038	47.052	ug/l	99
8) Diethyl Ether	3.458	74	124371	48.931	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	243594	51.394	ug/l	97
10) Methyl Iodide	4.007	142	292770	57.243	ug/l	99
11) Tert butyl alcohol	4.860	59	91890	291.054	ug/l	100
12) 1,1-Dichloroethene	3.793	96	229852	49.337	ug/l	91
13) Acrolein	3.659	56	16523	35.736	ug/l	97
14) Allyl chloride	4.391	41	303151	44.222	ug/l	97
15) Acrylonitrile	5.061	53	258176	249.844	ug/l	99
16) Acetone	3.873	43	299716	300.247	ug/l	99
17) Carbon Disulfide	4.110	76	675291	44.454	ug/l	99
18) Methyl Acetate	4.391	43	154926	52.154	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	595291	49.310	ug/l	100
20) Methylene Chloride	4.616	84	270314	52.234	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	267495	51.092	ug/l	94
22) Diisopropyl ether	6.025	45	711056	47.734	ug/l	98
23) Vinyl Acetate	5.964	43	1933715	234.762	ug/l	97
24) 1,1-Dichloroethane	5.921	63	453602	49.806	ug/l	99
25) 2-Butanone	6.896	43	352464	259.616	ug/l	96
26) 2,2-Dichloropropane	6.890	77	404719	51.500	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	310726	51.338	ug/l	95
28) Bromochloromethane	7.250	49	173514	48.021	ug/l	89
29) Tetrahydrofuran	7.262	42	203820	242.198	ug/l	95
30) Chloroform	7.421	83	489829	52.150	ug/l	99
31) Cyclohexane	7.707	56	365886	42.632	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	427235	51.263	ug/l	99
36) 1,1-Dichloropropene	7.835	75	334996	52.762	ug/l	97
37) Ethyl Acetate	6.988	43	140770	52.780	ug/l	99
38) Carbon Tetrachloride	7.823	117	390218	56.585	ug/l	98
39) Methylcyclohexane	9.109	83	425867	50.934	ug/l	98
40) Benzene	8.085	78	1061475	54.242	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	68264	44.349	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	272565	53.554	ug/l	100
43) Isopropyl Acetate	8.201	43	269795	50.048	ug/l #	83
44) Trichloroethene	8.866	130	287850	56.920	ug/l	100
45) 1,2-Dichloropropane	9.140	63	242878	53.941	ug/l	99
46) Dibromomethane	9.231	93	148164	57.330	ug/l	97
47) Bromodichloromethane	9.426	83	374082	56.253	ug/l	98
48) Methyl methacrylate	9.225	41	131907	51.135	ug/l	94
49) 1,4-Dioxane	9.231	88	33462	1104.254	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	750860	270.028	ug/l	98
52) Toluene	10.170	92	688223	55.373	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	329529	54.722	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	386812	54.322	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	200410	57.952	ug/l	99
56) Ethyl methacrylate	10.438	69	243081	54.932	ug/l	96
57) 1,3-Dichloropropane	10.719	76	324148	55.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	517217	247.791	ug/l	96
59) 2-Hexanone	10.762	43	535953	283.057	ug/l	98
60) Dibromochloromethane	10.914	129	274099	60.069	ug/l	100
61) 1,2-Dibromoethane	11.018	107	190399	58.579	ug/l	99
64) Tetrachloroethene	10.646	164	337069	58.619	ug/l	99
65) Chlorobenzene	11.444	112	767280	55.239	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	270985	57.483	ug/l	98
67) Ethyl Benzene	11.518	91	1298180	54.309	ug/l	98
68) m/p-Xylenes	11.627	106	1036399	111.012	ug/l	96
69) o-Xylene	11.956	106	485868	55.566	ug/l	98
70) Styrene	11.969	104	822156	57.495	ug/l	98
71) Bromoform	12.133	173	167005	60.614	ug/l	99
73) Isopropylbenzene	12.255	105	1257024	53.531	ug/l	99
74) N-amyl acetate	12.072	43	241285	48.453	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	212596	53.023	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	161411m	50.269	ug/l	
77) Bromobenzene	12.530	156	311079	55.529	ug/l	95
78) n-propylbenzene	12.597	91	1488773	53.252	ug/l	98
79) 2-Chlorotoluene	12.682	91	847253	52.893	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1028627	54.201	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	69895	52.692	ug/l	96
82) 4-Chlorotoluene	12.779	91	877073	52.782	ug/l	97
83) tert-Butylbenzene	12.999	119	921802	53.780	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1030922	54.570	ug/l	99
85) sec-Butylbenzene	13.176	105	1361057	54.056	ug/l	99
86) p-Isopropyltoluene	13.292	119	1164385	55.713	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	617460	55.892	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	602995	55.023	ug/l	99
89) n-Butylbenzene	13.615	91	1028462	53.579	ug/l	99
90) Hexachloroethane	13.883	117	236009	55.163	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	538284	55.558	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32776	52.503	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	308793	53.895	ug/l	98
94) Hexachlorobutadiene	15.023	225	191610	56.912	ug/l	99
95) Naphthalene	15.145	128	527802	54.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	271321	54.955	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

