

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023214.D
 Acq On : 28 Aug 2025 09:03
 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 : Semsettin Yesilyurt 08/29/2025
 Supervised By : Mahesh Dadoda 08/29/2025

Quant Time: Aug 29 02:05:37 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	542406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	816314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	700282	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	350311	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	218613	42.289	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.580%
35) Dibromofluoromethane	7.640	113	235387	48.190	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.380%
50) Toluene-d8	10.109	98	921374	48.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.580%
62) 4-Bromofluorobenzene	12.408	95	290945	47.411	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	189088	42.708	ug/l	97
3) Chloromethane	2.074	50	295218	41.168	ug/l	99
4) Vinyl Chloride	2.208	62	388971	43.880	ug/l	99
5) Bromomethane	2.598	94	294842	44.537	ug/l	97
6) Chloroethane	2.739	64	268404	45.544	ug/l	98
7) Trichlorofluoromethane	3.062	101	505264	46.876	ug/l	99
8) Diethyl Ether	3.458	74	132596	46.498	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	270559	50.880	ug/l	97
10) Methyl Iodide	4.007	142	315665	55.012	ug/l	100
11) Tert butyl alcohol	4.860	59	91355	257.913	ug/l	99
12) 1,1-Dichloroethene	3.793	96	263962	50.501	ug/l	92
13) Acrolein	3.653	56	26856	51.771	ug/l	92
14) Allyl chloride	4.391	41	350361	45.555	ug/l	97
15) Acrylonitrile	5.061	53	258615	223.070	ug/l	99
16) Acetone	3.873	43	285229	254.681	ug/l	99
17) Carbon Disulfide	4.110	76	780060	45.771	ug/l	99
18) Methyl Acetate	4.385	43	138010	41.410	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	631439	46.620	ug/l	99
20) Methylene Chloride	4.616	84	285508	49.006	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	295750	50.350	ug/l	98
22) Diisopropyl ether	6.025	45	785482	46.999	ug/l	98
23) Vinyl Acetate	5.964	43	2101431	227.398	ug/l	99
24) 1,1-Dichloroethane	5.921	63	498302	48.768	ug/l	99
25) 2-Butanone	6.896	43	344660	226.278	ug/l	96
26) 2,2-Dichloropropane	6.890	77	455542	51.668	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	345158	50.829	ug/l	95
28) Bromochloromethane	7.250	49	176788	43.610	ug/l	91
29) Tetrahydrofuran	7.268	42	198013	209.726	ug/l	96
30) Chloroform	7.421	83	523945	49.720	ug/l	95
31) Cyclohexane	7.707	56	432516	44.919	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	477557	51.073	ug/l	99
36) 1,1-Dichloropropene	7.835	75	377989	52.071	ug/l	99
37) Ethyl Acetate	6.982	43	137937	45.235	ug/l	98
38) Carbon Tetrachloride	7.823	117	430396	54.588	ug/l	98
39) Methylcyclohexane	9.109	83	502239	52.539	ug/l	98
40) Benzene	8.085	78	1170824	52.330	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	77060	43.788	ug/l	93
42) 1,2-Dichloroethane	8.158	62	284771	48.938	ug/l	99
43) Isopropyl Acetate	8.201	43	280030	45.435	ug/l	98
44) Trichloroethene	8.866	130	325280	56.258	ug/l	96
45) 1,2-Dichloropropane	9.140	63	263525	51.190	ug/l	100
46) Dibromomethane	9.231	93	151778	51.367	ug/l	98
47) Bromodichloromethane	9.426	83	394556	51.895	ug/l	97
48) Methyl methacrylate	9.225	41	133737	45.346	ug/l	94
49) 1,4-Dioxane	9.231	88	31809	918.124	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	738021	232.142	ug/l	98
52) Toluene	10.170	92	767746	54.028	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	355108	51.578	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	420533	51.654	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	203266	51.410	ug/l	97
56) Ethyl methacrylate	10.438	69	257770	50.950	ug/l	95
57) 1,3-Dichloropropane	10.719	76	338401	50.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	514140	215.441	ug/l	97
59) 2-Hexanone	10.762	43	520526	240.449	ug/l	99
60) Dibromochloromethane	10.914	129	277813	53.251	ug/l	99
61) 1,2-Dibromoethane	11.018	107	192142	51.705	ug/l	99
64) Tetrachloroethene	10.646	164	394576	63.101	ug/l	98
65) Chlorobenzene	11.444	112	823490	54.517	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	284437	55.483	ug/l	98
67) Ethyl Benzene	11.518	91	1426195	54.865	ug/l	98
68) m/p-Xylenes	11.627	106	1132925	111.591	ug/l	98
69) o-Xylene	11.957	106	532438	55.995	ug/l	98
70) Styrene	11.969	104	876540	56.368	ug/l	98
71) Bromoform	12.133	173	163540	54.582	ug/l #	99
73) Isopropylbenzene	12.255	105	1402066	56.707	ug/l	99
74) N-amyl acetate	12.072	43	248059	47.310	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	193929	45.937	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	161219m	47.686	ug/l	
77) Bromobenzene	12.536	156	324846	55.072	ug/l	95
78) n-propylbenzene	12.597	91	1659324	56.370	ug/l	98
79) 2-Chlorotoluene	12.682	91	926246	54.919	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1127538	56.427	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	71925	51.498	ug/l	97
82) 4-Chlorotoluene	12.780	91	943666	53.936	ug/l	98
83) tert-Butylbenzene	12.999	119	1019599	56.496	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1117053	56.157	ug/l	99
85) sec-Butylbenzene	13.176	105	1509593	56.942	ug/l	99
86) p-Isopropyltoluene	13.292	119	1269521	57.691	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	645274	55.474	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	632123	54.782	ug/l	99
89) n-Butylbenzene	13.615	91	1143834	56.594	ug/l	99
90) Hexachloroethane	13.877	117	254994	56.605	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	557986	54.697	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30425	46.288	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	321825	53.347	ug/l	98
94) Hexachlorobutadiene	15.023	225	201124	56.735	ug/l	99
95) Naphthalene	15.145	128	520530	50.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	272991	52.515	ug/l	99

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

