

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023183.D
 Acq On : 22 Aug 2025 10:46
 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 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 05:11:09 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	515648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	776447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	671695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	344324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	206377	41.994	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.980%		
35) Dibromofluoromethane	7.634	113	226981	48.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.720%		
50) Toluene-d8	10.109	98	893571	49.232	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.402	95	281324	48.197	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	191786	45.565	ug/l	97
3) Chloromethane	2.074	50	324765	47.639	ug/l	99
4) Vinyl Chloride	2.208	62	420089	49.850	ug/l	99
5) Bromomethane	2.592	94	309020	49.101	ug/l	100
6) Chloroethane	2.733	64	282082	50.349	ug/l	97
7) Trichlorofluoromethane	3.056	101	513724	50.135	ug/l	99
8) Diethyl Ether	3.458	74	127816	47.147	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	268350	53.083	ug/l	98
10) Methyl Iodide	4.001	142	295334	54.140	ug/l	99
11) Tert butyl alcohol	4.860	59	104229	309.528	ug/l	99
12) 1,1-Dichloroethene	3.787	96	259466	52.217	ug/l	94
13) Acrolein	3.653	56	42505	86.190	ug/l	100
14) Allyl chloride	4.385	41	355263	48.589	ug/l	98
15) Acrylonitrile	5.055	53	246083	223.275	ug/l	98
16) Acetone	3.860	43	263983	247.942	ug/l	100
17) Carbon Disulfide	4.104	76	801656	49.479	ug/l	100
18) Methyl Acetate	4.385	43	124421	39.270	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	590712	45.876	ug/l	97
20) Methylene Chloride	4.616	84	302708	54.986	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	295810	52.973	ug/l	97
22) Diisopropyl ether	6.019	45	767424	48.302	ug/l	98
23) Vinyl Acetate	5.958	43	2036885	231.851	ug/l	99
24) 1,1-Dichloroethane	5.915	63	495276	50.987	ug/l	99
25) 2-Butanone	6.890	43	319535	220.669	ug/l	98
26) 2,2-Dichloropropane	6.884	77	450117	53.702	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	334371	51.796	ug/l	98
28) Bromochloromethane	7.244	49	167003	43.334	ug/l	95
29) Tetrahydrofuran	7.262	42	185986	207.210	ug/l	98
30) Chloroform	7.421	83	513310	51.238	ug/l	98
31) Cyclohexane	7.701	56	439474	48.010	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	471339	53.024	ug/l	99
36) 1,1-Dichloropropene	7.835	75	379774	55.003	ug/l	99
37) Ethyl Acetate	6.982	43	130702	45.063	ug/l	98
38) Carbon Tetrachloride	7.817	117	425100	56.685	ug/l	97
39) Methylcyclohexane	9.109	83	509648	56.052	ug/l	97
40) Benzene	8.079	78	1161551	54.582	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	69548	41.548	ug/l	92
42) 1,2-Dichloroethane	8.158	62	273626	49.438	ug/l	100
43) Isopropyl Acetate	8.195	43	256544	43.762	ug/l	96
44) Trichloroethene	8.866	130	311248	56.595	ug/l	98
45) 1,2-Dichloropropane	9.140	63	259489	52.994	ug/l	99
46) Dibromomethane	9.231	93	142453	50.687	ug/l	98
47) Bromodichloromethane	9.420	83	384667	53.192	ug/l	98
48) Methyl methacrylate	9.219	41	128203	45.702	ug/l	96
49) 1,4-Dioxane	9.225	88	29855	905.970	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	678079	224.239	ug/l	99
52) Toluene	10.170	92	741247	54.842	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	338124	51.633	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	407198	52.584	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	192192	51.106	ug/l	97
56) Ethyl methacrylate	10.438	69	236539	49.154	ug/l	97
57) 1,3-Dichloropropane	10.719	76	320053	50.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	525241	231.393	ug/l	98
59) 2-Hexanone	10.762	43	474858	230.617	ug/l	99
60) Dibromochloromethane	10.914	129	262518	52.903	ug/l	99
61) 1,2-Dibromoethane	11.012	107	180177	50.975	ug/l	99
64) Tetrachloroethene	10.646	164	362050	60.364	ug/l	99
65) Chlorobenzene	11.444	112	817535	56.426	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	278287	56.594	ug/l	98
67) Ethyl Benzene	11.518	91	1434944	57.551	ug/l	98
68) m/p-Xylenes	11.627	106	1136964	116.755	ug/l	97
69) o-Xylene	11.950	106	524534	57.511	ug/l	100
70) Styrene	11.969	104	861840	57.782	ug/l	99
71) Bromoform	12.133	173	149036	51.858	ug/l #	98
73) Isopropylbenzene	12.255	105	1387351	57.088	ug/l	99
74) N-amyl acetate	12.072	43	236699	45.928	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	192286	46.339	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	141385m	42.546	ug/l	
77) Bromobenzene	12.530	156	314201	54.194	ug/l	96
78) n-propylbenzene	12.597	91	1683805	58.196	ug/l	99
79) 2-Chlorotoluene	12.676	91	921464	55.585	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1129188	57.492	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	63992	46.614	ug/l	97
82) 4-Chlorotoluene	12.773	91	949164	55.193	ug/l	99
83) tert-Butylbenzene	12.999	119	1027709	57.936	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1122674	57.421	ug/l	99
85) sec-Butylbenzene	13.176	105	1525232	58.532	ug/l	99
86) p-Isopropyltoluene	13.292	119	1292440	59.753	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	647985	56.676	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	625737	55.172	ug/l	99
89) n-Butylbenzene	13.615	91	1174415	59.118	ug/l	100
90) Hexachloroethane	13.877	117	255473	57.697	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	547401	54.593	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28814	44.599	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	317117	53.481	ug/l	98
94) Hexachlorobutadiene	15.023	225	197497	56.681	ug/l	99
95) Naphthalene	15.145	128	489256	48.388	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	265415	51.945	ug/l	99

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

