

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023013.D
 Acq On : 18 Jul 2025 21:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 07/21/2025
 Supervised By : Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 04:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	377955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	625472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	276744	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	228310	59.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.340%	
35) Dibromofluoromethane	7.634	113	208746	52.613	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.220%	
50) Toluene-d8	10.109	98	806530	51.260	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.402	95	261655	52.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.660%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	140807	43.876	ug/l	99
3) Chloromethane	2.068	50	323218	59.231	ug/l	98
4) Vinyl Chloride	2.202	62	394077	57.002	ug/l	98
5) Bromomethane	2.592	94	311918	62.514	ug/l	99
6) Chloroethane	2.733	64	280147	60.674	ug/l	98
7) Trichlorofluoromethane	3.050	101	436004	54.329	ug/l	100
8) Diethyl Ether	3.458	74	111442	53.057	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	199499	47.321	ug/l	99
10) Methyl Iodide	4.001	142	217070	49.563	ug/l	100
11) Tert butyl alcohol	4.879	59	71247	307.901	ug/l	98
12) 1,1-Dichloroethene	3.787	96	188473	46.929	ug/l	93
13) Acrolein	3.659	56	16998	156.327	ug/l	99
14) Allyl chloride	4.385	41	306078	50.025	ug/l	98
15) Acrylonitrile	5.061	53	248330	312.136	ug/l	100
16) Acetone	3.879	43	181109	261.129	ug/l	97
17) Carbon Disulfide	4.104	76	580997	47.733	ug/l	100
18) Methyl Acetate	4.385	43	172195	73.334	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	554451	57.557	ug/l	100
20) Methylene Chloride	4.616	84	265399	55.283	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	219497	49.098	ug/l	100
22) Diisopropyl ether	6.019	45	718593	55.360	ug/l	99
23) Vinyl Acetate	5.964	43	1900129	290.523	ug/l	99
24) 1,1-Dichloroethane	5.915	63	421017	51.640	ug/l	99
25) 2-Butanone	6.896	43	308999	310.560	ug/l	99
26) 2,2-Dichloropropane	6.884	77	315802	44.197	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	262480	50.944	ug/l	98
28) Bromochloromethane	7.244	49	178147	56.337	ug/l	96
29) Tetrahydrofuran	7.262	42	209494	332.560	ug/l	99
30) Chloroform	7.421	83	432510	52.587	ug/l	98
31) Cyclohexane	7.701	56	354155	46.489	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	367493	49.245	ug/l	98
36) 1,1-Dichloropropene	7.835	75	301074	48.175	ug/l	100
37) Ethyl Acetate	6.988	43	138056	59.479	ug/l	100
38) Carbon Tetrachloride	7.817	117	316660	46.638	ug/l	97
39) Methylcyclohexane	9.109	83	374781	46.332	ug/l	99
40) Benzene	8.079	78	958949	50.962	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	79155	62.602	ug/l	95
42) 1,2-Dichloroethane	8.158	62	263065	56.192	ug/l	99
43) Isopropyl Acetate	8.195	43	288120	62.492	ug/l #	86
44) Trichloroethene	8.866	130	233155	48.241	ug/l	98
45) 1,2-Dichloropropane	9.140	63	226109	51.456	ug/l	97
46) Dibromomethane	9.231	93	126540	55.711	ug/l	99
47) Bromodichloromethane	9.427	83	330126	52.581	ug/l	100
48) Methyl methacrylate	9.219	41	137956	61.977	ug/l	98
49) 1,4-Dioxane	9.238	88	31191	1302.771	ug/l	91
51) 4-Methyl-2-Pentanone	10.000	43	778848	332.819	ug/l	99
52) Toluene	10.170	92	596148	50.957	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	290824	53.962	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	335517	51.650	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	170233	57.023	ug/l	97
56) Ethyl methacrylate	10.439	69	229815	61.668	ug/l	99
57) 1,3-Dichloropropane	10.719	76	294658	57.137	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	578833	317.300	ug/l	99
59) 2-Hexanone	10.762	43	511100	332.267	ug/l	100
60) Dibromochloromethane	10.914	129	219889	56.249	ug/l	100
61) 1,2-Dibromoethane	11.012	107	158224	58.364	ug/l	98
64) Tetrachloroethene	10.646	164	270447	47.704	ug/l	97
65) Chlorobenzene	11.438	112	630749	48.192	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	219714	49.218	ug/l	99
67) Ethyl Benzene	11.518	91	1115671	48.092	ug/l	99
68) m/p-Xylenes	11.627	106	853956	95.970	ug/l	100
69) o-Xylene	11.957	106	402086	48.691	ug/l	99
70) Styrene	11.969	104	691812	51.144	ug/l	99
71) Bromoform	12.133	173	123544	54.515	ug/l #	99
73) Isopropylbenzene	12.255	105	1021842	43.551	ug/l	100
74) N-amyl acetate	12.066	43	246379	55.697	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	177627	52.314	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	166699m	48.340	ug/l	
77) Bromobenzene	12.530	156	235710	46.319	ug/l	98
78) n-propylbenzene	12.597	91	1217148	43.562	ug/l	100
79) 2-Chlorotoluene	12.676	91	700498	44.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	828035	44.746	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	57844	49.960	ug/l	99
82) 4-Chlorotoluene	12.773	91	726082	45.812	ug/l	99
83) tert-Butylbenzene	12.999	119	730508	43.702	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	830661	45.601	ug/l	99
85) sec-Butylbenzene	13.176	105	1071926	42.792	ug/l	100
86) p-Isopropyltoluene	13.292	119	879278	43.220	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	467908	45.562	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	452749	45.571	ug/l	100
89) n-Butylbenzene	13.615	91	787148	41.930	ug/l	99
90) Hexachloroethane	13.877	117	181698	43.138	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	413591	47.745	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29548	58.609	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	210940	46.196	ug/l	99
94) Hexachlorobutadiene	15.023	225	106361	36.947	ug/l	99
95) Naphthalene	15.145	128	411528	56.191	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	185268	49.139	ug/l	99

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

