

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023165.D
 Acq On : 20 Aug 2025 10:47
 Operator : SY/MD
 Sample : VY0820SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 08/22/2025
 Supervised By : Semsettin Yesilyurt 08/22/2025

Quant Time: Aug 21 01:38:12 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	458691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	735089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	636567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	318462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215506	49.296	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.600%		
35) Dibromofluoromethane	7.634	113	219081	49.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.620%		
50) Toluene-d8	10.109	98	869197	50.584	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.160%		
62) 4-Bromofluorobenzene	12.401	95	269469	48.763	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	80275	21.440	ug/l	95
3) Chloromethane	2.068	50	129029	21.277	ug/l	97
4) Vinyl Chloride	2.202	62	162798	21.717	ug/l	99
5) Bromomethane	2.592	94	134126	23.958	ug/l	100
6) Chloroethane	2.732	64	108494	21.770	ug/l	96
7) Trichlorofluoromethane	3.056	101	189893	20.833	ug/l	99
8) Diethyl Ether	3.452	74	46262	19.184	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	96115	21.374	ug/l	100
10) Methyl Iodide	4.007	142	100958	20.805	ug/l	99
11) Tert butyl alcohol	4.860	59	25147	83.952	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	89821	20.321	ug/l	85
13) Acrolein	3.653	56	30373	69.237	ug/l	96
14) Allyl chloride	4.385	41	122291	18.803	ug/l	98
15) Acrylonitrile	5.061	53	92852	94.707	ug/l	98
16) Acetone	3.866	43	99149	104.688	ug/l	97
17) Carbon Disulfide	4.104	76	291895	20.253	ug/l	100
18) Methyl Acetate	4.385	43	49929	17.715	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	212004	18.509	ug/l	98
20) Methylene Chloride	4.616	84	104716	19.627	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	101680	20.470	ug/l	95
22) Diisopropyl ether	6.018	45	271713	19.225	ug/l	94
23) Vinyl Acetate	5.964	43	716661	91.704	ug/l	99
24) 1,1-Dichloroethane	5.921	63	175346	20.293	ug/l	98
25) 2-Butanone	6.890	43	126218	97.989	ug/l	99
26) 2,2-Dichloropropane	6.884	77	156041	20.928	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	117682	20.493	ug/l	96
28) Bromochloromethane	7.250	49	69070	20.148	ug/l	97
29) Tetrahydrofuran	7.262	42	71029	88.961	ug/l	98
30) Chloroform	7.421	83	186141	20.888	ug/l	95
31) Cyclohexane	7.707	56	156668	19.240	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	163679	20.700	ug/l	99
36) 1,1-Dichloropropene	7.835	75	133243	20.383	ug/l	100
37) Ethyl Acetate	6.994	43	49060	17.866	ug/l	95
38) Carbon Tetrachloride	7.817	117	144177	20.307	ug/l	99
39) Methylcyclohexane	9.109	83	166387	19.329	ug/l	98
40) Benzene	8.079	78	413943	20.546	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	27208m	17.169	ug/l	
42) 1,2-Dichloroethane	8.158	62	103626	19.776	ug/l	99
43) Isopropyl Acetate	8.201	43	99492	17.926	ug/l	99
44) Trichloroethene	8.865	130	111061	21.331	ug/l	98
45) 1,2-Dichloropropane	9.140	63	94617	20.410	ug/l	98
46) Dibromomethane	9.231	93	53795	20.218	ug/l	99
47) Bromodichloromethane	9.426	83	138936	20.293	ug/l	96
48) Methyl methacrylate	9.219	41	43680	16.447	ug/l	89
49) 1,4-Dioxane	9.231	88	11228	359.891	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	252611	88.238	ug/l	100
52) Toluene	10.170	92	259191	20.255	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	117022	18.875	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	143310	19.548	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	70644	19.842	ug/l	96
56) Ethyl methacrylate	10.438	69	79678	17.489	ug/l	99
57) 1,3-Dichloropropane	10.713	76	118960	19.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	200973	93.519	ug/l	98
59) 2-Hexanone	10.761	43	177221	90.910	ug/l	99
60) Dibromochloromethane	10.908	129	95053	20.233	ug/l	100
61) 1,2-Dibromoethane	11.011	107	66544	19.885	ug/l	98
64) Tetrachloroethene	10.646	164	130109	22.890	ug/l	99
65) Chlorobenzene	11.438	112	284250	20.702	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	97732	20.972	ug/l	99
67) Ethyl Benzene	11.517	91	473680	20.046	ug/l	98
68) m/p-Xylenes	11.627	106	374264	40.554	ug/l	98
69) o-Xylene	11.950	106	172013	19.901	ug/l	99
70) Styrene	11.969	104	284779	20.146	ug/l	99
71) Bromoform	12.127	173	53066	19.484	ug/l #	99
73) Isopropylbenzene	12.249	105	445458	19.819	ug/l	100
74) N-amyl acetate	12.066	43	82148	17.234	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.499	83	69126	18.012	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	62465m	20.324	ug/l	
77) Bromobenzene	12.529	156	108125	20.164	ug/l	98
78) n-propylbenzene	12.590	91	541739	20.244	ug/l	99
79) 2-Chlorotoluene	12.676	91	307721	20.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	365810	20.138	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	22468	17.696	ug/l	96
82) 4-Chlorotoluene	12.773	91	319229	20.070	ug/l	99
83) tert-Butylbenzene	12.993	119	328564	20.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	366569	20.271	ug/l	100
85) sec-Butylbenzene	13.170	105	485018	20.125	ug/l	100
86) p-Isopropyltoluene	13.285	119	406983	20.344	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	216933	20.515	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	213625	20.365	ug/l	100
89) n-Butylbenzene	13.615	91	364336	19.829	ug/l	99
90) Hexachloroethane	13.877	117	85833	20.959	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	187828	20.253	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	10929	18.290	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	104044	18.972	ug/l	99
94) Hexachlorobutadiene	15.017	225	64968	20.160	ug/l	98
95) Naphthalene	15.139	128	158700	16.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	88372	18.700	ug/l	100

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

