

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023203.D
 Acq On : 25 Aug 2025 10:32
 Operator : SY/MD
 Sample : VY0825SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0825SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 23:46:04 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	7.707	168	469408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	735798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	649307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	329596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	203021	45.380	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.760%		
35) Dibromofluoromethane	7.634	113	214159	48.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.280%		
50) Toluene-d8	10.103	98	840128	48.845	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.700%		
62) 4-Bromofluorobenzene	12.401	95	262855	47.520	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	82867	21.627	ug/l	99
3) Chloromethane	2.068	50	127890	20.608	ug/l	97
4) Vinyl Chloride	2.202	62	166137	21.657	ug/l	100
5) Bromomethane	2.586	94	132262	23.086	ug/l	98
6) Chloroethane	2.732	64	110011	21.570	ug/l	97
7) Trichlorofluoromethane	3.049	101	199563	21.394	ug/l	96
8) Diethyl Ether	3.452	74	49591	20.095	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	98502	21.404	ug/l	98
10) Methyl Iodide	4.001	142	102196	20.580	ug/l	99
11) Tert butyl alcohol	4.860	59	25356	82.717	ug/l	99
12) 1,1-Dichloroethene	3.787	96	93124	20.587	ug/l	88
13) Acrolein	3.647	56	24583	54.759	ug/l	96
14) Allyl chloride	4.385	41	124987	18.778	ug/l	98
15) Acrylonitrile	5.049	53	92793	92.486	ug/l	99
16) Acetone	3.866	43	101220	104.434	ug/l	96
17) Carbon Disulfide	4.104	76	294054	19.937	ug/l	99
18) Methyl Acetate	4.385	43	54799	18.999	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	217030	18.516	ug/l	100
20) Methylene Chloride	4.616	84	128615	24.131	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	105560	20.766	ug/l	96
22) Diisopropyl ether	6.018	45	279458	19.322	ug/l	94
23) Vinyl Acetate	5.957	43	701679	87.737	ug/l	98
24) 1,1-Dichloroethane	5.915	63	182066	20.589	ug/l	100
25) 2-Butanone	6.890	43	123475	93.671	ug/l	98
26) 2,2-Dichloropropane	6.884	77	155592	20.392	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	122559	20.855	ug/l	95
28) Bromochloromethane	7.244	49	69348	19.767	ug/l	93
29) Tetrahydrofuran	7.262	42	71024	86.924	ug/l	99
30) Chloroform	7.421	83	192408	21.098	ug/l	93
31) Cyclohexane	7.701	56	154962	18.596	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	168844	20.865	ug/l	99
36) 1,1-Dichloropropene	7.835	75	135141	20.654	ug/l	99
37) Ethyl Acetate	6.982	43	49529	18.020	ug/l	99
38) Carbon Tetrachloride	7.817	117	152009	21.389	ug/l	99
39) Methylcyclohexane	9.109	83	166305	19.301	ug/l	97
40) Benzene	8.079	78	426506	21.149	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	25623	16.153	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	104432	19.911	ug/l	100
43) Isopropyl Acetate	8.195	43	93973	16.916	ug/l	97
44) Trichloroethene	8.866	130	114507	21.972	ug/l	97
45) 1,2-Dichloropropane	9.140	63	97421	20.995	ug/l	100
46) Dibromomethane	9.231	93	55618	20.883	ug/l	99
47) Bromodichloromethane	9.420	83	145267	21.197	ug/l	98
48) Methyl methacrylate	9.219	41	44879	16.882	ug/l	93
49) 1,4-Dioxane	9.225	88	11927	381.928	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	252302	88.045	ug/l	100
52) Toluene	10.170	92	273729	21.371	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	121415	19.565	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	149542	20.378	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	74392	20.874	ug/l	96
56) Ethyl methacrylate	10.438	69	80341	17.618	ug/l	97
57) 1,3-Dichloropropane	10.713	76	119857	19.831	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	201849	93.836	ug/l	97
59) 2-Hexanone	10.762	43	175794	90.092	ug/l	100
60) Dibromochloromethane	10.908	129	98895	21.031	ug/l	100
61) 1,2-Dibromoethane	11.011	107	68371	20.412	ug/l	99
64) Tetrachloroethene	10.646	164	136686	23.575	ug/l	98
65) Chlorobenzene	11.438	112	298661	21.324	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	101806	21.418	ug/l	99
67) Ethyl Benzene	11.517	91	489470	20.308	ug/l	97
68) m/p-Xylenes	11.627	106	389212	41.346	ug/l	99
69) o-Xylene	11.950	106	181051	20.535	ug/l	99
70) Styrene	11.969	104	300432	20.837	ug/l	98
71) Bromoform	12.133	173	57282	20.619	ug/l #	99
73) Isopropylbenzene	12.249	105	466741	20.064	ug/l	100
74) N-amyl acetate	12.066	43	79215	16.057	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	72625	18.284	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	62595m	19.678	ug/l	
77) Bromobenzene	12.529	156	114975	20.717	ug/l	96
78) n-propylbenzene	12.590	91	560407	20.235	ug/l	99
79) 2-Chlorotoluene	12.676	91	323855	20.409	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	385709	20.516	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	23977	18.246	ug/l	98
82) 4-Chlorotoluene	12.773	91	332845	20.220	ug/l	98
83) tert-Butylbenzene	12.993	119	334081	19.675	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	385325	20.589	ug/l	99
85) sec-Butylbenzene	13.170	105	504903	20.242	ug/l	100
86) p-Isopropyltoluene	13.285	119	426643	20.606	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	232973	21.287	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	228601	21.057	ug/l	99
89) n-Butylbenzene	13.615	91	380665	20.018	ug/l	99
90) Hexachloroethane	13.877	117	91887	21.680	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	202285	21.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11213	18.131	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	117215	20.651	ug/l	98
94) Hexachlorobutadiene	15.017	225	72105	21.619	ug/l	98
95) Naphthalene	15.139	128	176030	18.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	100334	20.514	ug/l	99

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

