

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023202.D
 Acq On : 25 Aug 2025 10:09
 Operator : SY/MD
 Sample : VY0825SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0825SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 25 23:45:09 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	7.707	168	477332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	754067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	667244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	216760	47.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.300%		
35) Dibromofluoromethane	7.634	113	223844	49.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.220%		
50) Toluene-d8	10.103	98	858635	48.712	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.420%		
62) 4-Bromofluorobenzene	12.402	95	269390	47.522	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81519	20.922	ug/l	97
3) Chloromethane	2.074	50	130676	20.707	ug/l	99
4) Vinyl Chloride	2.208	62	164065	21.032	ug/l	98
5) Bromomethane	2.592	94	134702	23.121	ug/l	100
6) Chloroethane	2.733	64	111434	21.486	ug/l	99
7) Trichlorofluoromethane	3.056	101	192501	20.294	ug/l	99
8) Diethyl Ether	3.458	74	48303	19.248	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	96148	20.546	ug/l	96
10) Methyl Iodide	4.007	142	97453	19.299	ug/l	99
11) Tert butyl alcohol	4.860	59	27573	88.456	ug/l	98
12) 1,1-Dichloroethene	3.787	96	92491	20.108	ug/l	89
13) Acrolein	3.647	56	26939	59.011	ug/l	98
14) Allyl chloride	4.385	41	126710	18.721	ug/l	97
15) Acrylonitrile	5.055	53	98842	96.880	ug/l	98
16) Acetone	3.860	43	107990	109.570	ug/l	97
17) Carbon Disulfide	4.104	76	295993	19.735	ug/l	99
18) Methyl Acetate	4.385	43	52768	17.992	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	221998	18.625	ug/l	100
20) Methylene Chloride	4.616	84	103383	18.473	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	105522	20.414	ug/l	98
22) Diisopropyl ether	6.019	45	279946	19.034	ug/l	96
23) Vinyl Acetate	5.958	43	742237	91.268	ug/l	99
24) 1,1-Dichloroethane	5.915	63	179553	19.968	ug/l	99
25) 2-Butanone	6.890	43	132043	98.508	ug/l	96
26) 2,2-Dichloropropane	6.884	77	155545	20.047	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	121479	20.328	ug/l	95
28) Bromochloromethane	7.244	49	70925	19.881	ug/l	92
29) Tetrahydrofuran	7.262	42	74691	89.894	ug/l	99
30) Chloroform	7.421	83	189500	20.434	ug/l	99
31) Cyclohexane	7.701	56	157311	18.565	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	167760	20.387	ug/l	99
36) 1,1-Dichloropropene	7.835	75	132339	19.736	ug/l	99
37) Ethyl Acetate	6.988	43	53573	19.019	ug/l	97
38) Carbon Tetrachloride	7.817	117	149972	20.592	ug/l	99
39) Methylcyclohexane	9.109	83	170496	19.308	ug/l	96
40) Benzene	8.079	78	420664	20.354	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	30135	18.537	ug/l	97
42) 1,2-Dichloroethane	8.158	62	107382	19.977	ug/l	100
43) Isopropyl Acetate	8.195	43	100892	17.721	ug/l #	85
44) Trichloroethene	8.866	130	111746	20.922	ug/l	93
45) 1,2-Dichloropropane	9.140	63	96556	20.304	ug/l	98
46) Dibromomethane	9.231	93	55902	20.481	ug/l	97
47) Bromodichloromethane	9.420	83	143924	20.492	ug/l	100
48) Methyl methacrylate	9.219	41	46617	17.111	ug/l	93
49) 1,4-Dioxane	9.225	88	12274	383.517	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	261619	89.084	ug/l	99
52) Toluene	10.170	92	265906	20.257	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	121499	19.104	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	147632	19.631	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	74369	20.362	ug/l	98
56) Ethyl methacrylate	10.438	69	84076	17.990	ug/l	96
57) 1,3-Dichloropropane	10.719	76	122339	19.751	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	206059	93.473	ug/l	96
59) 2-Hexanone	10.762	43	183808	91.916	ug/l	100
60) Dibromochloromethane	10.908	129	100724	20.901	ug/l	100
61) 1,2-Dibromoethane	11.012	107	68836	20.053	ug/l	100
64) Tetrachloroethene	10.646	164	117071	19.649	ug/l	99
65) Chlorobenzene	11.438	112	295846	20.556	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	100703	20.616	ug/l	98
67) Ethyl Benzene	11.518	91	486109	19.626	ug/l	98
68) m/p-Xylenes	11.627	106	390655	40.384	ug/l	97
69) o-Xylene	11.950	106	180171	19.886	ug/l	97
70) Styrene	11.969	104	297819	20.100	ug/l	98
71) Bromoform	12.127	173	57741	20.226	ug/l #	100
73) Isopropylbenzene	12.255	105	464221	19.024	ug/l	99
74) N-amyl acetate	12.066	43	86372	16.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	79739	19.138	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	54801m	16.423	ug/l	
77) Bromobenzene	12.530	156	115475	19.836	ug/l	94
78) n-propylbenzene	12.591	91	560933	19.308	ug/l	99
79) 2-Chlorotoluene	12.676	91	317103	19.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	383520	19.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	25449	18.462	ug/l	96
82) 4-Chlorotoluene	12.773	91	331699	19.209	ug/l	98
83) tert-Butylbenzene	12.993	119	336565	18.895	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	386501	19.687	ug/l	99
85) sec-Butylbenzene	13.170	105	504416	19.278	ug/l	99
86) p-Isopropyltoluene	13.286	119	423009	19.477	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	230302	20.061	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	228216	20.039	ug/l	99
89) n-Butylbenzene	13.615	91	378255	18.962	ug/l	99
90) Hexachloroethane	13.877	117	89022	20.023	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	201368	20.000	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12120	18.683	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	114445	19.222	ug/l	99
94) Hexachlorobutadiene	15.017	225	70147	20.049	ug/l	99
95) Naphthalene	15.139	128	169970	16.741	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	96132	18.737	ug/l	99

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

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