

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023139.D
 Acq On : 19 Aug 2025 10:19
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Quant Time: Aug 20 01:24:30 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	517532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	816918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	707204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	233623	47.365	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.720%		
35) Dibromofluoromethane	7.634	113	237406	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.140%		
50) Toluene-d8	10.109	98	947313	49.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.220%		
62) 4-Bromofluorobenzene	12.401	95	298119	48.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.866	85	87281	20.661	ug/l	100
3) Chloromethane	2.074	50	138015	20.171	ug/l	100
4) Vinyl Chloride	2.208	62	173827	20.552	ug/l	99
5) Bromomethane	2.592	94	146241	23.152	ug/l	98
6) Chloroethane	2.738	64	116717	20.757	ug/l	99
7) Trichlorofluoromethane	3.055	101	205259	19.958	ug/l	98
8) Diethyl Ether	3.458	74	54043	19.862	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	109139	21.510	ug/l	99
10) Methyl Iodide	4.006	142	105447	19.260	ug/l	99
11) Tert butyl alcohol	4.860	59	29364	86.885	ug/l	100
12) 1,1-Dichloroethene	3.793	96	103754	20.804	ug/l	91
13) Acrolein	3.653	56	35491	71.706	ug/l	96
14) Allyl chloride	4.384	41	138299	18.846	ug/l	96
15) Acrylonitrile	5.055	53	104521	94.488	ug/l	98
16) Acetone	3.872	43	120414	112.685	ug/l	98
17) Carbon Disulfide	4.104	76	323680	19.905	ug/l	99
18) Methyl Acetate	4.384	43	55412	17.426	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	254848	19.720	ug/l	97
20) Methylene Chloride	4.616	84	114203	18.875	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	117658	20.993	ug/l	96
22) Diisopropyl ether	6.018	45	314582	19.728	ug/l	95
23) Vinyl Acetate	5.963	43	837107	94.938	ug/l	97
24) 1,1-Dichloroethane	5.921	63	194782	19.979	ug/l	100
25) 2-Butanone	6.890	43	146563	100.847	ug/l	99
26) 2,2-Dichloropropane	6.890	77	179625	21.352	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133354	20.582	ug/l	97
28) Bromochloromethane	7.244	49	75324	19.474	ug/l	96
29) Tetrahydrofuran	7.262	42	81427	90.389	ug/l	98
30) Chloroform	7.426	83	208029	20.690	ug/l	100
31) Cyclohexane	7.701	56	180441	19.640	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	185862	20.833	ug/l	99
36) 1,1-Dichloropropene	7.835	75	149696	20.606	ug/l	99
37) Ethyl Acetate	6.981	43	56943	18.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	169089	21.430	ug/l	99
39) Methylcyclohexane	9.109	83	199011	20.803	ug/l	99
40) Benzene	8.079	78	471421	21.055	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	32549m	18.482	ug/l	
42) 1,2-Dichloroethane	8.158	62	117552	20.187	ug/l	100
43) Isopropyl Acetate	8.195	43	113681	18.431	ug/l	99
44) Trichloroethene	8.865	130	122590	21.187	ug/l	98
45) 1,2-Dichloropropane	9.140	63	105641	20.506	ug/l	99
46) Dibromomethane	9.231	93	62014	20.972	ug/l	97
47) Bromodichloromethane	9.420	83	157692	20.725	ug/l	98
48) Methyl methacrylate	9.219	41	54599	18.499	ug/l	93
49) 1,4-Dioxane	9.231	88	13295	383.459	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	298177	93.721	ug/l	99
52) Toluene	10.170	92	299030	21.028	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	138793	20.144	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	166637	20.453	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	80520	20.350	ug/l	95
56) Ethyl methacrylate	10.438	69	94888	18.741	ug/l	99
57) 1,3-Dichloropropane	10.718	76	138195	20.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	226098	94.672	ug/l	98
59) 2-Hexanone	10.761	43	214547	99.034	ug/l	100
60) Dibromochloromethane	10.907	129	107311	20.554	ug/l	100
61) 1,2-Dibromoethane	11.017	107	75418	20.280	ug/l	100
64) Tetrachloroethene	10.645	164	129655	20.532	ug/l	99
65) Chlorobenzene	11.438	112	325629	21.346	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	109752	21.199	ug/l	98
67) Ethyl Benzene	11.517	91	545176	20.767	ug/l	98
68) m/p-Xylenes	11.627	106	430120	41.951	ug/l	100
69) o-Xylene	11.956	106	201847	21.020	ug/l	100
70) Styrene	11.968	104	330216	21.028	ug/l	99
71) Bromoform	12.127	173	62105	20.525	ug/l #	99
73) Isopropylbenzene	12.255	105	527385	21.185	ug/l	99
74) N-amyl acetate	12.066	43	98366	18.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	87962	20.694	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61598m	18.095	ug/l	
77) Bromobenzene	12.529	156	122298	20.592	ug/l	99
78) n-propylbenzene	12.596	91	629976	21.255	ug/l	99
79) 2-Chlorotoluene	12.675	91	356441	20.990	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	422945	21.022	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	27897	19.838	ug/l	98
82) 4-Chlorotoluene	12.773	91	366476	20.803	ug/l	99
83) tert-Butylbenzene	12.992	119	383813	21.122	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	426567	21.298	ug/l	99
85) sec-Butylbenzene	13.175	105	572911	21.463	ug/l	100
86) p-Isopropyltoluene	13.291	119	473600	21.375	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	245224	20.938	ug/l	98
88) 1,4-Dichlorobenzene	13.364	146	241992	20.829	ug/l	99
89) n-Butylbenzene	13.614	91	427124	20.989	ug/l	99
90) Hexachloroethane	13.876	117	97949	21.595	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	210816	20.524	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12905	19.499	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	122439	20.157	ug/l	98
94) Hexachlorobutadiene	15.023	225	75487	21.149	ug/l	99
95) Naphthalene	15.145	128	198080	19.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	105286	20.115	ug/l	99

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

