

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023000.D
 Acq On : 18 Jul 2025 16:00
 Operator : SY/MD
 Sample : VY0718SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0718SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 19 02:12:04 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	441498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	726763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	622024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	290368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	235302	52.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.300%			
35) Dibromofluoromethane	7.634	113	223340	48.446	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.900%			
50) Toluene-d8	10.103	98	862393	47.172	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.340%			
62) 4-Bromofluorobenzene	12.401	95	265634	46.158	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	74744	19.938	ug/l	96
3) Chloromethane	2.068	50	143371	22.492	ug/l	99
4) Vinyl Chloride	2.202	62	169689	21.012	ug/l	98
5) Bromomethane	2.592	94	143171	24.564	ug/l	96
6) Chloroethane	2.732	64	116712	21.639	ug/l	94
7) Trichlorofluoromethane	3.049	101	199294	21.259	ug/l	97
8) Diethyl Ether	3.452	74	54948	22.395	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	99505	20.206	ug/l	100
10) Methyl Iodide	4.000	142	92236	18.029	ug/l	98
11) Tert butyl alcohol	4.860	59	33272	123.093	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	95020	20.254	ug/l	97
13) Acrolein	3.653	56	21072	165.903	ug/l	99
14) Allyl chloride	4.378	41	145884	20.411	ug/l	98
15) Acrylonitrile	5.061	53	110719	119.137	ug/l	97
16) Acetone	3.866	43	97170	119.939	ug/l	100
17) Carbon Disulfide	4.104	76	288599	20.298	ug/l	98
18) Methyl Acetate	4.391	43	58402	21.292	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	254006	22.573	ug/l	98
20) Methylene Chloride	4.616	84	149748	21.534	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	107229	20.533	ug/l	97
22) Diisopropyl ether	6.018	45	331682	21.875	ug/l	96
23) Vinyl Acetate	5.957	43	910154	119.130	ug/l	97
24) 1,1-Dichloroethane	5.915	63	200869	21.091	ug/l	99
25) 2-Butanone	6.890	43	140232	120.655	ug/l	98
26) 2,2-Dichloropropane	6.878	77	165662	19.848	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	125924	20.923	ug/l	99
28) Bromochloromethane	7.238	49	80178	21.706	ug/l	97
29) Tetrahydrofuran	7.262	42	87651	119.115	ug/l	99
30) Chloroform	7.415	83	200917	20.913	ug/l	98
31) Cyclohexane	7.701	56	175169	19.685	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	179081	20.544	ug/l	99
36) 1,1-Dichloropropene	7.835	75	144552	19.906	ug/l	99
37) Ethyl Acetate	6.982	43	65064	24.125	ug/l	97
38) Carbon Tetrachloride	7.817	117	152517	19.332	ug/l	99
39) Methylcyclohexane	9.109	83	181502	19.311	ug/l	98
40) Benzene	8.079	78	447067	20.447	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	32685	22.247	ug/l	94
42) 1,2-Dichloroethane	8.158	62	121246	22.289	ug/l	100
43) Isopropyl Acetate	8.195	43	125867	23.495	ug/l #	86
44) Trichloroethene	8.865	130	109088	19.425	ug/l	98
45) 1,2-Dichloropropane	9.140	63	105365	20.636	ug/l	100
46) Dibromomethane	9.231	93	57491	21.784	ug/l	98
47) Bromodichloromethane	9.420	83	153006	20.974	ug/l	99
48) Methyl methacrylate	9.219	41	56963	22.024	ug/l	97
49) 1,4-Dioxane	9.225	88	13277	477.259	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	321913	118.388	ug/l	100
52) Toluene	10.170	92	276910	20.370	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	132598	21.174	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	156932	20.791	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	76101	21.939	ug/l	98
56) Ethyl methacrylate	10.438	69	96413	22.265	ug/l	99
57) 1,3-Dichloropropane	10.713	76	132512	22.114	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	227470	107.314	ug/l	99
59) 2-Hexanone	10.755	43	211344	118.246	ug/l	99
60) Dibromochloromethane	10.908	129	98399	21.663	ug/l	100
61) 1,2-Dibromoethane	11.011	107	70161	22.273	ug/l	98
64) Tetrachloroethene	10.646	164	118268	18.602	ug/l	99
65) Chlorobenzene	11.438	112	291672	19.871	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	99858	19.946	ug/l	98
67) Ethyl Benzene	11.517	91	500539	19.239	ug/l	98
68) m/p-Xylenes	11.627	106	383842	38.465	ug/l	99
69) o-Xylene	11.950	106	178419	19.266	ug/l	99
70) Styrene	11.962	104	299288	19.729	ug/l	99
71) Bromoform	12.127	173	53773	21.158	ug/l #	100
73) Isopropylbenzene	12.249	105	469340	19.065	ug/l	100
74) N-amyl acetate	12.066	43	106978	23.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	79332	22.268	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	65738m	18.169	ug/l	
77) Bromobenzene	12.529	156	105831	19.821	ug/l	98
78) n-propylbenzene	12.590	91	571745	19.503	ug/l	99
79) 2-Chlorotoluene	12.676	91	322963	19.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	377356	19.435	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	26176	21.548	ug/l	100
82) 4-Chlorotoluene	12.773	91	328021	19.725	ug/l	99
83) tert-Butylbenzene	12.993	119	331779	18.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	377381	19.745	ug/l	99
85) sec-Butylbenzene	13.170	105	497483	18.928	ug/l	100
86) p-Isopropyltoluene	13.285	119	411364	19.271	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	208525	19.352	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	208199	19.973	ug/l	99
89) n-Butylbenzene	13.609	91	380572	19.321	ug/l	100
90) Hexachloroethane	13.871	117	85123	19.261	ug/l	100
91) 1,2-Dichlorobenzene	13.651	146	184064	20.251	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12175	23.016	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	100139	20.902	ug/l	98
94) Hexachlorobutadiene	15.017	225	59205	19.601	ug/l	99
95) Naphthalene	15.139	128	170744	22.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	85911	21.717	ug/l	97

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

