

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023042.D
 Acq On : 22 Jul 2025 13:38
 Operator : SY/MD
 Sample : VY0722SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 02:03:09 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	377374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	625419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	530259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	252311	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	204388	53.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.000%	
35) Dibromofluoromethane	7.634	113	194981	49.148	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.300%	
50) Toluene-d8	10.103	98	765515	48.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.401	95	233921	47.234	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.460%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	66030	20.607	ug/l	94
3) Chloromethane	2.068	50	123987	22.756	ug/l	99
4) Vinyl Chloride	2.202	62	156490	22.671	ug/l	99
5) Bromomethane	2.592	94	123502	24.790	ug/l	99
6) Chloroethane	2.732	64	106487	23.098	ug/l	90
7) Trichlorofluoromethane	3.056	101	172384	21.513	ug/l	98
8) Diethyl Ether	3.452	74	44470	21.204	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	88719	21.077	ug/l	98
10) Methyl Iodide	4.000	142	88355	20.205	ug/l	99
11) Tert butyl alcohol	4.860	59	25043	108.392	ug/l	98
12) 1,1-Dichloroethene	3.787	96	82765	20.640	ug/l	98
13) Acrolein	3.653	56	15256	140.522	ug/l	97
14) Allyl chloride	4.385	41	126494	20.706	ug/l	98
15) Acrylonitrile	5.061	53	92263	116.148	ug/l	99
16) Acetone	3.872	43	76162	109.982	ug/l	93
17) Carbon Disulfide	4.104	76	253687	20.874	ug/l	99
18) Methyl Acetate	4.378	43	48818	20.823	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	209451	21.777	ug/l	98
20) Methylene Chloride	4.610	84	122301	20.131	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	92913	20.815	ug/l	93
22) Diisopropyl ether	6.018	45	280562	21.648	ug/l	95
23) Vinyl Acetate	5.964	43	749103	114.711	ug/l	100
24) 1,1-Dichloroethane	5.915	63	172829	21.231	ug/l	97
25) 2-Butanone	6.890	43	110356	111.084	ug/l	95
26) 2,2-Dichloropropane	6.878	77	147136	20.623	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	109113	21.210	ug/l	99
28) Bromochloromethane	7.244	49	68417	21.669	ug/l	98
29) Tetrahydrofuran	7.262	42	72322	114.984	ug/l	98
30) Chloroform	7.421	83	177271	21.587	ug/l	97
31) Cyclohexane	7.701	56	153038	20.120	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	155150	20.823	ug/l	98
36) 1,1-Dichloropropene	7.835	75	128106	20.500	ug/l	100
37) Ethyl Acetate	6.982	43	52361	22.561	ug/l	99
38) Carbon Tetrachloride	7.817	117	135921	20.020	ug/l	96
39) Methylcyclohexane	9.109	83	157593	19.484	ug/l	97
40) Benzene	8.079	78	392961	20.885	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	29732	23.516	ug/l	95
42) 1,2-Dichloroethane	8.158	62	105970	22.638	ug/l	99
43) Isopropyl Acetate	8.195	43	100150	21.724	ug/l #	87
44) Trichloroethene	8.865	130	97256	20.124	ug/l	98
45) 1,2-Dichloropropane	9.140	63	92880	21.138	ug/l	98
46) Dibromomethane	9.231	93	50405	22.194	ug/l	98
47) Bromodichloromethane	9.426	83	134308	21.394	ug/l	100
48) Methyl methacrylate	9.219	41	47182	21.199	ug/l	99
49) 1,4-Dioxane	9.231	88	10738	448.538	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	260183	111.191	ug/l	99
52) Toluene	10.170	92	243384	20.805	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	112081	20.798	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	136383	20.997	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	65948	22.092	ug/l	96
56) Ethyl methacrylate	10.438	69	77979	20.926	ug/l	99
57) 1,3-Dichloropropane	10.719	76	113207	21.954	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	193483	106.071	ug/l	100
59) 2-Hexanone	10.761	43	168525	109.568	ug/l	98
60) Dibromochloromethane	10.908	129	84045	21.501	ug/l	98
61) 1,2-Dibromoethane	11.018	107	59946	22.114	ug/l	99
64) Tetrachloroethene	10.646	164	106097	19.575	ug/l	97
65) Chlorobenzene	11.438	112	253467	20.257	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	86910	20.364	ug/l	100
67) Ethyl Benzene	11.517	91	447391	20.172	ug/l	100
68) m/p-Xylenes	11.627	106	341034	40.089	ug/l	100
69) o-Xylene	11.950	106	158061	20.021	ug/l	99
70) Styrene	11.969	104	260782	20.166	ug/l	100
71) Bromoform	12.127	173	46591	21.504	ug/l #	96
73) Isopropylbenzene	12.249	105	410821	19.205	ug/l	100
74) N-amyl acetate	12.066	43	83785	20.775	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	68131	22.009	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	68070m	21.651	ug/l	
77) Bromobenzene	12.529	156	92066	19.844	ug/l	97
78) n-propylbenzene	12.590	91	510084	20.024	ug/l	100
79) 2-Chlorotoluene	12.676	91	288334	20.125	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	333795	19.785	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	21452	20.323	ug/l	98
82) 4-Chlorotoluene	12.773	91	291452	20.170	ug/l	98
83) tert-Butylbenzene	12.993	119	296711	19.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	331709	19.973	ug/l	100
85) sec-Butylbenzene	13.170	105	447880	19.611	ug/l	100
86) p-Isopropyltoluene	13.285	119	359705	19.393	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	185432	19.805	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	180637	19.942	ug/l	98
89) n-Butylbenzene	13.615	91	339776	19.852	ug/l	98
90) Hexachloroethane	13.877	117	75156	19.571	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	160054	20.266	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10246	22.291	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	85092	20.440	ug/l	99
94) Hexachlorobutadiene	15.017	225	52544	20.020	ug/l	99
95) Naphthalene	15.139	128	136129	20.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	71586	20.826	ug/l	98

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

