

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022854.D
 Acq On : 27 Jun 2025 12:00
 Operator : SY/MD
 Sample : VY0627SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0627SBS01

Quant Time: Jun 27 23:14:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	438526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	740220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	622783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	290353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	237300	48.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.960%		
35) Dibromofluoromethane	7.640	113	226412	50.295	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.600%		
50) Toluene-d8	10.109	98	900780	50.427	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.860%		
62) 4-Bromofluorobenzene	12.408	95	278170	48.441	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	76212	20.324	ug/l	98
3) Chloromethane	2.068	50	153177	21.392	ug/l	100
4) Vinyl Chloride	2.208	62	170566	19.067	ug/l	99
5) Bromomethane	2.598	94	161162	22.916	ug/l	97
6) Chloroethane	2.739	64	119116	19.809	ug/l	91
7) Trichlorofluoromethane	3.056	101	183265	18.501	ug/l	99
8) Diethyl Ether	3.458	74	54143	22.131	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	93036	20.552	ug/l	97
10) Methyl Iodide	4.013	142	89767	18.213	ug/l	99
11) Tert butyl alcohol	4.897	59	23523	72.280	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	89530	20.170	ug/l	90
13) Acrolein	3.665	56	35749	81.008	ug/l	97
14) Allyl chloride	4.391	41	136062	19.929	ug/l	97
15) Acrylonitrile	5.073	53	92308	90.431	ug/l	98
16) Acetone	3.885	43	107383	116.080	ug/l	100
17) Carbon Disulfide	4.110	76	285409	19.904	ug/l	99
18) Methyl Acetate	4.391	43	46604	15.212	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	229315	18.973	ug/l	99
20) Methylene Chloride	4.622	84	135989	23.277	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	101113	19.932	ug/l	96
22) Diisopropyl ether	6.025	45	304677	20.095	ug/l	99
23) Vinyl Acetate	5.970	43	807894	96.478	ug/l	99
24) 1,1-Dichloroethane	5.921	63	184095	20.101	ug/l	98
25) 2-Butanone	6.902	43	127761	94.892	ug/l	99
26) 2,2-Dichloropropane	6.890	77	158572	20.656	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	116421	19.750	ug/l	99
28) Bromochloromethane	7.250	49	76249	19.804	ug/l	93
29) Tetrahydrofuran	7.274	42	71998	84.687	ug/l	99
30) Chloroform	7.427	83	187777	19.907	ug/l	99
31) Cyclohexane	7.707	56	168575	20.052	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	163737	20.087	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139795	20.488	ug/l	99
37) Ethyl Acetate	6.994	43	53619	18.210	ug/l	97
38) Carbon Tetrachloride	7.823	117	141643	19.674	ug/l	100
39) Methylcyclohexane	9.109	83	177560	20.108	ug/l	100
40) Benzene	8.085	78	417986	19.924	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	32937m	18.171	ug/l	
42) 1,2-Dichloroethane	8.164	62	109060	18.971	ug/l	98
43) Isopropyl Acetate	8.207	43	106074	17.333	ug/l	97
44) Trichloroethene	8.872	130	104596	19.858	ug/l	99
45) 1,2-Dichloropropane	9.146	63	96682	19.691	ug/l	97
46) Dibromomethane	9.237	93	52823	18.952	ug/l	97
47) Bromodichloromethane	9.426	83	137926	19.190	ug/l	97
48) Methyl methacrylate	9.225	41	49141	16.704	ug/l	93
49) 1,4-Dioxane	9.250	88	9963	302.548	ug/l #	78
51) 4-Methyl-2-Pentanone	9.999	43	265865	85.492	ug/l	96
52) Toluene	10.176	92	261191	19.735	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	120263	18.597	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	149000	19.871	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	67633	18.739	ug/l	94
56) Ethyl methacrylate	10.444	69	85618	17.632	ug/l	96
57) 1,3-Dichloropropane	10.719	76	117720	18.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	211949	93.503	ug/l	99
59) 2-Hexanone	10.761	43	189382	89.572	ug/l	98
60) Dibromochloromethane	10.914	129	86657	18.588	ug/l	100
61) 1,2-Dibromoethane	11.018	107	62276	18.439	ug/l	95
64) Tetrachloroethene	10.652	164	118010	20.058	ug/l	97
65) Chlorobenzene	11.444	112	275122	20.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	90364	19.496	ug/l	98
67) Ethyl Benzene	11.517	91	491906	20.459	ug/l	99
68) m/p-Xylenes	11.627	106	374187	40.260	ug/l	99
69) o-Xylene	11.956	106	175335	20.021	ug/l	99
70) Styrene	11.969	104	284938	19.424	ug/l	100
71) Bromoform	12.133	173	45810	17.750	ug/l #	100
73) Isopropylbenzene	12.255	105	457101	21.287	ug/l	99
74) N-amyl acetate	12.072	43	90892	18.857	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	66265	19.147	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	53793m	18.147	ug/l	
77) Bromobenzene	12.536	156	99212	20.383	ug/l	98
78) n-propylbenzene	12.597	91	559488	21.580	ug/l	99
79) 2-Chlorotoluene	12.682	91	307095	20.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	368172	21.239	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	21577	18.390	ug/l	99
82) 4-Chlorotoluene	12.779	91	317965	20.666	ug/l	100
83) tert-Butylbenzene	12.999	119	327233	21.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	359527	20.716	ug/l	99
85) sec-Butylbenzene	13.176	105	489803	21.294	ug/l	99
86) p-Isopropyltoluene	13.291	119	402126	21.008	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	196424	20.094	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	193857	19.964	ug/l	99
89) n-Butylbenzene	13.615	91	377764	20.981	ug/l	99
90) Hexachloroethane	13.883	117	79506	20.854	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	168060	19.509	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10274	17.506	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	91175	18.746	ug/l	99
94) Hexachlorobutadiene	15.023	225	53888	19.593	ug/l	99
95) Naphthalene	15.145	128	147096	16.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	76954	18.310	ug/l	99

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

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