

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022855.D
 Acq On : 27 Jun 2025 12:22
 Operator : SY/MD
 Sample : VY0627SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0627SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 23:15:53 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	392671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	686703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	587941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	227105	51.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.640%			
35) Dibromofluoromethane	7.640	113	215609	51.628	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.260%			
50) Toluene-d8	10.109	98	844961	50.988	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.401	95	262167	49.212	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	70055	20.864	ug/l	95
3) Chloromethane	2.068	50	141333	22.043	ug/l	99
4) Vinyl Chloride	2.208	62	152677	19.060	ug/l	100
5) Bromomethane	2.598	94	142645	22.651	ug/l	100
6) Chloroethane	2.739	64	100714	18.704	ug/l	95
7) Trichlorofluoromethane	3.056	101	158982	17.924	ug/l	97
8) Diethyl Ether	3.458	74	54919	25.069	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	82802	20.428	ug/l	96
10) Methyl Iodide	4.007	142	92048	20.857	ug/l	98
11) Tert butyl alcohol	4.878	59	24983	85.731	ug/l	95
12) 1,1-Dichloroethene	3.799	96	85649	21.549	ug/l	99
13) Acrolein	3.659	56	36380	92.065	ug/l	99
14) Allyl chloride	4.391	41	134047	21.927	ug/l	95
15) Acrylonitrile	5.061	53	93060	101.814	ug/l	100
16) Acetone	3.879	43	98918	119.416	ug/l	98
17) Carbon Disulfide	4.110	76	267911	20.865	ug/l	100
18) Methyl Acetate	4.385	43	48885	17.820	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	232320	21.467	ug/l	99
20) Methylene Chloride	4.616	84	130076	24.865	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	98254	21.630	ug/l	96
22) Diisopropyl ether	6.025	45	299731	22.077	ug/l	98
23) Vinyl Acetate	5.964	43	818112	109.108	ug/l	99
24) 1,1-Dichloroethane	5.921	63	181202	22.096	ug/l	99
25) 2-Butanone	6.902	43	130119	107.929	ug/l	96
26) 2,2-Dichloropropane	6.890	77	151158	21.989	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	114570	21.705	ug/l	99
28) Bromochloromethane	7.250	49	72313	20.975	ug/l	91
29) Tetrahydrofuran	7.268	42	74446	97.792	ug/l	99
30) Chloroform	7.427	83	181311	21.466	ug/l	98
31) Cyclohexane	7.701	56	153645	20.411	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	153801	21.071	ug/l	99
36) 1,1-Dichloropropene	7.841	75	126420	19.971	ug/l	98
37) Ethyl Acetate	6.988	43	50797	18.596	ug/l	97
38) Carbon Tetrachloride	7.823	117	132177	19.790	ug/l	99
39) Methylcyclohexane	9.109	83	161729	19.743	ug/l	98
40) Benzene	8.085	78	404813	20.800	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	32567	19.367	ug/l	96
42) 1,2-Dichloroethane	8.164	62	111640	20.933	ug/l	98
43) Isopropyl Acetate	8.201	43	109655	19.315	ug/l	97
44) Trichloroethene	8.865	130	99580	20.379	ug/l	98
45) 1,2-Dichloropropane	9.146	63	95922	21.059	ug/l	99
46) Dibromomethane	9.231	93	52943	20.475	ug/l	96
47) Bromodichloromethane	9.426	83	138992	20.845	ug/l	97
48) Methyl methacrylate	9.219	41	50434	18.479	ug/l	93
49) 1,4-Dioxane	9.237	88	10483	343.148	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	271211	94.008	ug/l	96
52) Toluene	10.170	92	251920	20.518	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	122104	20.353	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	146585	21.073	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	67889	20.276	ug/l	95
56) Ethyl methacrylate	10.438	69	87830	19.497	ug/l	96
57) 1,3-Dichloropropane	10.719	76	118722	20.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	217618	101.814	ug/l	98
59) 2-Hexanone	10.761	43	186577	95.123	ug/l	95
60) Dibromochloromethane	10.914	129	86874	20.087	ug/l	100
61) 1,2-Dibromoethane	11.018	107	62775	20.035	ug/l	96
64) Tetrachloroethene	10.646	164	114102	20.543	ug/l	99
65) Chlorobenzene	11.444	112	270647	20.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	88384	20.199	ug/l	98
67) Ethyl Benzene	11.517	91	474480	20.904	ug/l	99
68) m/p-Xylenes	11.627	106	358101	40.812	ug/l	97
69) o-Xylene	11.956	106	171183	20.705	ug/l	100
70) Styrene	11.969	104	281270	20.310	ug/l	99
71) Bromoform	12.133	173	46302	19.004	ug/l #	98
73) Isopropylbenzene	12.255	105	437377	21.581	ug/l	99
74) N-amyl acetate	12.072	43	91412	20.094	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	65438	20.034	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	51754m	18.499	ug/l	
77) Bromobenzene	12.529	156	97490	21.222	ug/l	99
78) n-propylbenzene	12.597	91	528889	21.614	ug/l	99
79) 2-Chlorotoluene	12.682	91	299611	21.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	350335	21.413	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	22438	20.262	ug/l	98
82) 4-Chlorotoluene	12.779	91	305956	21.069	ug/l	100
83) tert-Butylbenzene	12.999	119	308906	21.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	351686	21.470	ug/l	99
85) sec-Butylbenzene	13.176	105	463189	21.336	ug/l	100
86) p-Isopropyltoluene	13.291	119	376429	20.836	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	194084	21.036	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	193890	21.156	ug/l	99
89) n-Butylbenzene	13.615	91	355371	20.912	ug/l	99
90) Hexachloroethane	13.877	117	75714	21.042	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	165757	20.387	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10354	18.692	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	91806	19.999	ug/l	97
94) Hexachlorobutadiene	15.023	225	50617	19.499	ug/l	99
95) Naphthalene	15.145	128	156678	18.874	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	76773	19.354	ug/l	99

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

