

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022841.D
 Acq On : 26 Jun 2025 11:32
 Operator : SY/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:25:24 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	7.707	168	431722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	725692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	622886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	291493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	244555	50.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.634	113	220940	50.062	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.109	98	893252	51.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.402	95	272299	48.368	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77971	21.121	ug/l	100
3) Chloromethane	2.068	50	131654	18.676	ug/l	98
4) Vinyl Chloride	2.202	62	167129	18.977	ug/l	98
5) Bromomethane	2.592	94	143782	20.767	ug/l	98
6) Chloroethane	2.733	64	113552	19.181	ug/l	94
7) Trichlorofluoromethane	3.056	101	184620	18.932	ug/l	97
8) Diethyl Ether	3.452	74	48873	20.291	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	94942	21.304	ug/l	99
10) Methyl Iodide	4.001	142	94153	19.404	ug/l	98
11) Tert butyl alcohol	4.866	59	31376	97.930	ug/l	98
12) 1,1-Dichloroethene	3.787	96	89726	20.533	ug/l	98
13) Acrolein	3.653	56	41381	95.248	ug/l	100
14) Allyl chloride	4.385	41	135494	20.159	ug/l	96
15) Acrylonitrile	5.061	53	105746	105.228	ug/l	98
16) Acetone	3.873	43	112256	123.260	ug/l	96
17) Carbon Disulfide	4.104	76	288366	20.427	ug/l	98
18) Methyl Acetate	4.385	43	51355	17.027	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	239926	20.164	ug/l	99
20) Methylene Chloride	4.616	84	112271	19.520	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	99960	20.015	ug/l	99
22) Diisopropyl ether	6.019	45	305873	20.491	ug/l	98
23) Vinyl Acetate	5.964	43	864056	104.812	ug/l	99
24) 1,1-Dichloroethane	5.915	63	184267	20.437	ug/l	99
25) 2-Butanone	6.896	43	147329	111.151	ug/l	96
26) 2,2-Dichloropropane	6.884	77	157099	20.786	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	116270	20.035	ug/l	99
28) Bromochloromethane	7.244	49	76768	20.253	ug/l	95
29) Tetrahydrofuran	7.262	42	86572	103.434	ug/l	99
30) Chloroform	7.421	83	186363	20.068	ug/l	94
31) Cyclohexane	7.701	56	170893	20.648	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	163395	20.361	ug/l	99
36) 1,1-Dichloropropene	7.835	75	137574	20.566	ug/l	99
37) Ethyl Acetate	6.988	43	58883	20.398	ug/l #	98
38) Carbon Tetrachloride	7.817	117	142015	20.120	ug/l	98
39) Methylcyclohexane	9.109	83	178730	20.646	ug/l	99
40) Benzene	8.085	78	423392	20.586	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	32334m	18.195	ug/l	
42) 1,2-Dichloroethane	8.158	62	115476	20.489	ug/l	99
43) Isopropyl Acetate	8.201	43	120156	20.028	ug/l	96
44) Trichloroethene	8.866	130	105203	20.373	ug/l	95
45) 1,2-Dichloropropane	9.140	63	96590	20.066	ug/l	100
46) Dibromomethane	9.231	93	54676	20.009	ug/l	97
47) Bromodichloromethane	9.426	83	142643	20.243	ug/l	98
48) Methyl methacrylate	9.219	41	57925	20.084	ug/l	95
49) 1,4-Dioxane	9.231	88	12765	395.397	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	306425	100.507	ug/l	96
52) Toluene	10.170	92	261214	20.131	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	126660	19.978	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	147856	20.114	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	71287	20.147	ug/l	98
56) Ethyl methacrylate	10.438	69	94387	19.827	ug/l	95
57) 1,3-Dichloropropane	10.719	76	122400	19.827	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	234078	103.352	ug/l	98
59) 2-Hexanone	10.762	43	215607	104.017	ug/l	98
60) Dibromochloromethane	10.908	129	90992	19.909	ug/l	96
61) 1,2-Dibromoethane	11.018	107	65204	19.693	ug/l	97
64) Tetrachloroethene	10.646	164	121528	20.653	ug/l	97
65) Chlorobenzene	11.438	112	276891	20.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91745	19.791	ug/l	99
67) Ethyl Benzene	11.518	91	486832	20.244	ug/l	100
68) m/p-Xylenes	11.627	106	371196	39.931	ug/l	99
69) o-Xylene	11.957	106	173753	19.837	ug/l	99
70) Styrene	11.969	104	290652	19.810	ug/l	99
71) Bromoform	12.133	173	48280	18.704	ug/l #	96
73) Isopropylbenzene	12.255	105	456600	21.180	ug/l	100
74) N-amyl acetate	12.072	43	103202	21.327	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71988	20.719	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	66901m	22.481	ug/l	
77) Bromobenzene	12.530	156	100718	20.612	ug/l	99
78) n-propylbenzene	12.597	91	549537	21.113	ug/l	98
79) 2-Chlorotoluene	12.676	91	308974	21.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	361474	20.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24625	20.905	ug/l	98
82) 4-Chlorotoluene	12.773	91	318085	20.593	ug/l	100
83) tert-Butylbenzene	12.993	119	323383	21.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	363709	20.875	ug/l	98
85) sec-Butylbenzene	13.176	105	487486	21.110	ug/l	99
86) p-Isopropyltoluene	13.292	119	396055	20.610	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	202705	20.655	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	196300	20.137	ug/l	98
89) n-Butylbenzene	13.615	91	375321	20.763	ug/l	100
90) Hexachloroethane	13.877	117	79334	20.728	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	172751	19.975	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11922	20.234	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	94290	19.310	ug/l	97
94) Hexachlorobutadiene	15.023	225	54517	19.744	ug/l	98
95) Naphthalene	15.139	128	166882	18.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	78871	18.692	ug/l	99

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

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