

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022655.D
 Acq On : 11 Jun 2025 11:23
 Operator : SY/MD
 Sample : VY0611SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0611SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 05:04:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	154293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	102308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87123	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.634	113	80454	51.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.140%			
50) Toluene-d8	10.109	98	328033	52.037	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.402	95	91618	48.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	30403	22.009	ug/l	98
3) Chloromethane	2.068	50	76247	18.684	ug/l	99
4) Vinyl Chloride	2.202	62	110194	23.276	ug/l	97
5) Bromomethane	2.586	94	101895	22.456	ug/l	98
6) Chloroethane	2.733	64	77966	23.993	ug/l	91
7) Trichlorofluoromethane	3.050	101	100530	25.013	ug/l	98
8) Diethyl Ether	3.452	74	19482	21.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	37758	22.306	ug/l	99
10) Methyl Iodide	4.001	142	35808	19.548	ug/l	99
11) Tert butyl alcohol	4.866	59	13088	106.187	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	33677	20.814	ug/l	96
13) Acrolein	3.653	56	11169	72.712	ug/l	85
14) Allyl chloride	4.379	41	51189	20.153	ug/l	98
15) Acrylonitrile	5.055	53	39623	103.367	ug/l	99
16) Acetone	3.867	43	51236	146.196	ug/l	97
17) Carbon Disulfide	4.104	76	105015	20.273	ug/l	98
18) Methyl Acetate	4.385	43	20954	20.191	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	92788	20.360	ug/l	100
20) Methylene Chloride	4.616	84	45698	22.955	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	39459	21.790	ug/l	84
22) Diisopropyl ether	6.019	45	116281	20.566	ug/l	98
23) Vinyl Acetate	5.958	43	332344	99.313	ug/l	97
24) 1,1-Dichloroethane	5.915	63	71877	21.579	ug/l	99
25) 2-Butanone	6.896	43	59713	118.122	ug/l	98
26) 2,2-Dichloropropane	6.884	77	61544	20.912	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	45141	21.567	ug/l	98
28) Bromochloromethane	7.244	49	30556	21.045	ug/l	100
29) Tetrahydrofuran	7.262	42	32926	100.986	ug/l	99
30) Chloroform	7.421	83	73770	22.360	ug/l	96
31) Cyclohexane	7.701	56	64272	19.382	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	64586	22.053	ug/l	99
36) 1,1-Dichloropropene	7.835	75	53788	21.243	ug/l	99
37) Ethyl Acetate	6.988	43	24204m	21.435	ug/l	
38) Carbon Tetrachloride	7.817	117	55462	21.352	ug/l	92
39) Methylcyclohexane	9.110	83	68129	20.022	ug/l	99
40) Benzene	8.079	78	163413	21.851	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	11060	16.769	ug/l #	88
42) 1,2-Dichloroethane	8.158	62	44229	21.660	ug/l	98
43) Isopropyl Acetate	8.195	43	48754	19.992	ug/l	96
44) Trichloroethene	8.866	130	39874	21.815	ug/l	97
45) 1,2-Dichloropropane	9.140	63	38405	21.729	ug/l	96
46) Dibromomethane	9.231	93	21044	21.164	ug/l	97
47) Bromodichloromethane	9.427	83	55680	22.084	ug/l	97
48) Methyl methacrylate	9.225	41	22107m	19.315	ug/l	
49) 1,4-Dioxane	9.238	88	4781	405.855	ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	119284	98.107	ug/l	96
52) Toluene	10.170	92	101252	21.544	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	48733	20.629	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	57255	20.820	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	27620	21.784	ug/l	96
56) Ethyl methacrylate	10.439	69	35231	19.225	ug/l	99
57) 1,3-Dichloropropane	10.719	76	48083	21.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	84651	101.741	ug/l	99
59) 2-Hexanone	10.762	43	88514	108.852	ug/l	99
60) Dibromochloromethane	10.914	129	34405	21.352	ug/l	98
61) 1,2-Dibromoethane	11.012	107	24433	21.142	ug/l	98
64) Tetrachloroethene	10.646	164	45809	24.611	ug/l	97
65) Chlorobenzene	11.438	112	104686	21.864	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	33988	21.071	ug/l	97
67) Ethyl Benzene	11.518	91	184235	20.745	ug/l	98
68) m/p-Xylenes	11.627	106	140858	41.839	ug/l	100
69) o-Xylene	11.950	106	65306	20.690	ug/l	100
70) Styrene	11.969	104	108428	20.781	ug/l	98
71) Bromoform	12.133	173	17443	20.322	ug/l #	97
73) Isopropylbenzene	12.255	105	175327	20.874	ug/l	100
74) N-amyl acetate	12.066	43	40443	19.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	26860	19.484	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	20540m	17.549	ug/l	
77) Bromobenzene	12.530	156	37003	20.876	ug/l	99
78) n-propylbenzene	12.591	91	215673	21.023	ug/l	99
79) 2-Chlorotoluene	12.676	91	111836	20.568	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	136959	20.769	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	8836	18.231	ug/l	94
82) 4-Chlorotoluene	12.774	91	114316	20.380	ug/l	96
83) tert-Butylbenzene	12.993	119	122545	20.705	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	135799	20.590	ug/l	99
85) sec-Butylbenzene	13.170	105	191535	21.130	ug/l	100
86) p-Isopropyltoluene	13.292	119	155151	20.765	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	76368	21.265	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	75907	21.792	ug/l	100
89) n-Butylbenzene	13.615	91	148942	21.011	ug/l	99
90) Hexachloroethane	13.877	117	31366	21.563	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	65316	21.421	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4000	19.929	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	34227	20.582	ug/l	98
94) Hexachlorobutadiene	15.023	225	20570	22.411	ug/l	98
95) Naphthalene	15.139	128	65657	20.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	29376	20.612	ug/l	98

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

