

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022541.D
 Acq On : 04 Jun 2025 11:16
 Operator : SY/MD
 Sample : VY0604SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0604SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 04:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	179220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	309983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104473	52.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.634	113	93335	50.445	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.900%			
50) Toluene-d8	10.103	98	376502	50.361	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.401	95	109073	48.967	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35284	21.990	ug/l	95
3) Chloromethane	2.068	50	88525	18.675	ug/l	99
4) Vinyl Chloride	2.202	62	124287	22.601	ug/l	100
5) Bromomethane	2.586	94	115662	21.944	ug/l	95
6) Chloroethane	2.726	64	87250	23.116	ug/l	99
7) Trichlorofluoromethane	3.043	101	112317	24.059	ug/l	95
8) Diethyl Ether	3.452	74	22123	21.043	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	41480	21.097	ug/l	98
10) Methyl Iodide	4.001	142	41715	19.605	ug/l	99
11) Tert butyl alcohol	4.872	59	16173	112.966	ug/l #	88
12) 1,1-Dichloroethene	3.787	96	39705	21.126	ug/l	95
13) Acrolein	3.647	56	19881	111.427	ug/l	97
14) Allyl chloride	4.385	41	60883	20.635	ug/l	100
15) Acrylonitrile	5.055	53	48823	109.653	ug/l	98
16) Acetone	3.866	43	40457	99.383	ug/l	91
17) Carbon Disulfide	4.104	76	127027	21.111	ug/l	99
18) Methyl Acetate	4.385	43	26588	22.056	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	114382	21.608	ug/l	97
20) Methylene Chloride	4.610	84	45844	19.826	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	45327	21.549	ug/l	93
22) Diisopropyl ether	6.018	45	139507	21.242	ug/l	98
23) Vinyl Acetate	5.958	43	415034	106.773	ug/l	98
24) 1,1-Dichloroethane	5.915	63	83510	21.585	ug/l	99
25) 2-Butanone	6.896	43	61284	104.368	ug/l	99
26) 2,2-Dichloropropane	6.884	77	69661	20.378	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	52045	21.407	ug/l	98
28) Bromochloromethane	7.244	49	34034	20.180	ug/l	98
29) Tetrahydrofuran	7.268	42	41613	109.878	ug/l	97
30) Chloroform	7.421	83	82942	21.644	ug/l	97
31) Cyclohexane	7.701	56	77602	20.147	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	72843	21.413	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60454	20.132	ug/l	100
37) Ethyl Acetate	6.988	43	28333	21.157	ug/l	99
38) Carbon Tetrachloride	7.817	117	61931	20.104	ug/l	98
39) Methylcyclohexane	9.109	83	79347	19.662	ug/l	98
40) Benzene	8.079	78	185571	20.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16324	20.869	ug/l	94
42) 1,2-Dichloroethane	8.158	62	50725	20.946	ug/l	99
43) Isopropyl Acetate	8.195	43	61020	21.098	ug/l	98
44) Trichloroethene	8.866	130	44269	20.422	ug/l	99
45) 1,2-Dichloropropane	9.140	63	44426	21.194	ug/l	98
46) Dibromomethane	9.231	93	24682	20.930	ug/l	100
47) Bromodichloromethane	9.420	83	62495	20.900	ug/l	94
48) Methyl methacrylate	9.219	41	28590	21.062	ug/l	100
49) 1,4-Dioxane	9.231	88	5823	416.801	ug/l	89
51) 4-Methyl-2-Pentanone	9.999	43	152107	105.486	ug/l	100
52) Toluene	10.170	92	114854	20.606	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	56768	20.262	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	67799	20.789	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	31778	21.133	ug/l	95
56) Ethyl methacrylate	10.438	69	44603	20.523	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57346	21.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	103545	104.936	ug/l	99
59) 2-Hexanone	10.762	43	98699	102.345	ug/l	100
60) Dibromochloromethane	10.908	129	38348	20.068	ug/l	99
61) 1,2-Dibromoethane	11.011	107	28215	20.587	ug/l	99
64) Tetrachloroethene	10.646	164	49080	21.942	ug/l	98
65) Chlorobenzene	11.438	112	121009	21.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	38613	19.920	ug/l	97
67) Ethyl Benzene	11.518	91	215923	20.231	ug/l	100
68) m/p-Xylenes	11.627	106	163650	40.448	ug/l	100
69) o-Xylene	11.950	106	77044	20.311	ug/l	99
70) Styrene	11.969	104	127477	20.330	ug/l	99
71) Bromoform	12.127	173	20119	19.504	ug/l #	96
73) Isopropylbenzene	12.255	105	198789	20.270	ug/l	99
74) N-amyl acetate	12.066	43	52528	21.227	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	34485	21.424	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	29720m	21.747	ug/l	
77) Bromobenzene	12.530	156	43188	20.868	ug/l	98
78) n-propylbenzene	12.590	91	245680	20.510	ug/l	99
79) 2-Chlorotoluene	12.676	91	134165	21.133	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	156441	20.318	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.298	75	11467	20.263	ug/l	99
82) 4-Chlorotoluene	12.773	91	134743	20.574	ug/l	100
83) tert-Butylbenzene	12.993	119	145202	21.012	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	159935	20.768	ug/l	99
85) sec-Butylbenzene	13.170	105	213038	20.129	ug/l	100
86) p-Isopropyltoluene	13.292	119	173168	19.850	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	86314	20.585	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	85459	21.013	ug/l	99
89) n-Butylbenzene	13.615	91	171235	20.688	ug/l	99
90) Hexachloroethane	13.877	117	35034	20.628	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	75027	21.074	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5340	22.786	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	41161	21.199	ug/l	99
94) Hexachlorobutadiene	15.023	225	23069	21.526	ug/l	98
95) Naphthalene	15.139	128	81018	21.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	36181	21.743	ug/l	98

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

