

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022475.D
 Acq On : 30 May 2025 13:37
 Operator : SY/MD
 Sample : VY0530SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0530SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:26:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	192865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	341345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	286239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	129296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112494	55.376	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.760%			
35) Dibromofluoromethane	7.634	113	101870	50.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.920%			
50) Toluene-d8	10.109	98	411336	50.476	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.407	95	119420	48.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	41913	22.778	ug/l	100
3) Chloromethane	2.068	50	101758	22.482	ug/l	100
4) Vinyl Chloride	2.202	62	132171	24.038	ug/l	98
5) Bromomethane	2.592	94	129230	25.863	ug/l	96
6) Chloroethane	2.732	64	94210	26.220	ug/l	95
7) Trichlorofluoromethane	3.049	101	116591	25.132	ug/l	96
8) Diethyl Ether	3.452	74	25565	23.899	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	45228	22.222	ug/l	98
10) Methyl Iodide	4.007	142	48911	21.301	ug/l	99
11) Tert butyl alcohol	4.866	59	16440	114.811	ug/l	98
12) 1,1-Dichloroethene	3.787	96	44855	22.198	ug/l	97
13) Acrolein	3.647	56	19079	88.924	ug/l	95
14) Allyl chloride	4.384	41	68247	22.452	ug/l	98
15) Acrylonitrile	5.055	53	50290	116.636	ug/l	98
16) Acetone	3.872	43	38985	116.785	ug/l #	82
17) Carbon Disulfide	4.104	76	138519	21.481	ug/l	97
18) Methyl Acetate	4.391	43	30242	24.185	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	124020	23.118	ug/l	96
20) Methylene Chloride	4.616	84	51532	21.861	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	48010	21.763	ug/l	95
22) Diisopropyl ether	6.018	45	154900	23.090	ug/l	98
23) Vinyl Acetate	5.957	43	438371	113.806	ug/l	100
24) 1,1-Dichloroethane	5.915	63	90316	22.784	ug/l	99
25) 2-Butanone	6.896	43	63344	113.939	ug/l	97
26) 2,2-Dichloropropane	6.884	77	72791	20.279	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	57133	22.371	ug/l	100
28) Bromochloromethane	7.244	49	37950	22.926	ug/l	97
29) Tetrahydrofuran	7.262	42	42492	114.604	ug/l	99
30) Chloroform	7.421	83	91451	23.412	ug/l	98
31) Cyclohexane	7.695	56	83402	21.344	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	78657	22.188	ug/l	97
36) 1,1-Dichloropropene	7.835	75	65541	20.662	ug/l	99
37) Ethyl Acetate	6.982	43	31394	23.287	ug/l	99
38) Carbon Tetrachloride	7.817	117	68840	20.833	ug/l	96
39) Methylcyclohexane	9.109	83	84194	19.967	ug/l	99
40) Benzene	8.079	78	204274	21.642	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022475.D
 Acq On : 30 May 2025 13:37
 Operator : SY/MD
 Sample : VY0530SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0530SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:26:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	17827	21.788	ug/l	92
42) 1,2-Dichloroethane	8.158	62	55429	22.235	ug/l	100
43) Isopropyl Acetate	8.195	43	63655	21.608	ug/l #	87
44) Trichloroethene	8.865	130	48848	20.935	ug/l	96
45) 1,2-Dichloropropane	9.140	63	49095	22.138	ug/l	100
46) Dibromomethane	9.231	93	27085	21.863	ug/l	99
47) Bromodichloromethane	9.420	83	68363	21.459	ug/l	99
48) Methyl methacrylate	9.219	41	29313	21.436	ug/l	99
49) 1,4-Dioxane	9.231	88	6107	446.301	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	158464	109.023	ug/l	98
52) Toluene	10.170	92	124518	21.121	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	59934	20.197	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	72299	20.735	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	33847	21.609	ug/l	97
56) Ethyl methacrylate	10.438	69	48106	21.402	ug/l	97
57) 1,3-Dichloropropane	10.713	76	59841	21.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	114668	102.360	ug/l	97
59) 2-Hexanone	10.761	43	103386	108.537	ug/l	99
60) Dibromochloromethane	10.908	129	41620	20.801	ug/l	97
61) 1,2-Dibromoethane	11.011	107	30765	21.475	ug/l	95
64) Tetrachloroethene	10.646	164	50033	20.524	ug/l	95
65) Chlorobenzene	11.438	112	130710	21.416	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	43433	21.003	ug/l	98
67) Ethyl Benzene	11.517	91	233369	20.592	ug/l	99
68) m/p-Xylenes	11.627	106	175815	40.918	ug/l	99
69) o-Xylene	11.956	106	83473	20.671	ug/l	100
70) Styrene	11.968	104	138213	20.555	ug/l	99
71) Bromoform	12.133	173	22879	21.122	ug/l #	100
73) Isopropylbenzene	12.255	105	214979	21.126	ug/l	100
74) N-amyl acetate	12.066	43	54359	21.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36547	22.795	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	26916m	20.783	ug/l	
77) Bromobenzene	12.529	156	46660	21.307	ug/l	96
78) n-propylbenzene	12.596	91	258848	21.196	ug/l	99
79) 2-Chlorotoluene	12.682	91	140123	21.197	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	168562	21.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11579	20.219	ug/l	94
82) 4-Chlorotoluene	12.779	91	143318	21.050	ug/l	99
83) tert-Butylbenzene	12.999	119	153276	21.337	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	167123	20.887	ug/l	99
85) sec-Butylbenzene	13.176	105	227335	21.339	ug/l	99
86) p-Isopropyltoluene	13.291	119	183805	20.661	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	91908	20.859	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	89674	21.285	ug/l	98
89) n-Butylbenzene	13.615	91	178440	21.392	ug/l	99
90) Hexachloroethane	13.877	117	37771	21.335	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	79820	21.689	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5590	22.564	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	43765	21.451	ug/l	97
94) Hexachlorobutadiene	15.023	225	23775	22.204	ug/l	95
95) Naphthalene	15.145	128	83556	22.153	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	37490	22.405	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
Data File : VY022475.D
Acq On : 30 May 2025 13:37
Operator : SY/MD
Sample : VY0530SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0530SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/02/2025
Supervised By :Mahesh Dadoda 06/02/2025

Quant Time: May 31 02:26:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

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

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

