

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021853.D
 Acq On : 11 Apr 2025 12:28
 Operator : SY/MD
 Sample : VY0411SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/14/2025
 Supervised By :Semsettin Yesilyurt 04/14/2025

Quant Time: Apr 12 02:47:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	261813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	409914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	188335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143603	50.624	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.240%			
35) Dibromofluoromethane	7.634	113	143350	53.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.820%			
50) Toluene-d8	10.103	98	537312	53.116	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.240%			
62) 4-Bromofluorobenzene	12.408	95	186390	54.474	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	49656	18.299	ug/l	99
3) Chloromethane	2.068	50	62767	16.449	ug/l	97
4) Vinyl Chloride	2.202	62	73201	16.963	ug/l	97
5) Bromomethane	2.592	94	51528	17.508	ug/l	100
6) Chloroethane	2.733	64	48298	17.104	ug/l	99
7) Trichlorofluoromethane	3.056	101	104991	18.993	ug/l	98
8) Diethyl Ether	3.458	74	29054	19.327	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	56846	19.498	ug/l	96
10) Methyl Iodide	4.001	142	67929	21.238	ug/l	99
11) Tert butyl alcohol	4.866	59	16952	92.006	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	54499	19.846	ug/l	94
13) Acrolein	3.647	56	15884	47.214	ug/l	99
14) Allyl chloride	4.379	41	82696	18.887	ug/l	98
15) Acrylonitrile	5.061	53	59158	94.249	ug/l	99
16) Acetone	3.873	43	49207	84.759	ug/l	95
17) Carbon Disulfide	4.104	76	162030	17.914	ug/l	97
18) Methyl Acetate	4.379	43	31345	21.785	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	133728	19.559	ug/l	97
20) Methylene Chloride	4.610	84	64347	20.358	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	58865	19.468	ug/l	97
22) Diisopropyl ether	6.019	45	182652	19.886	ug/l	98
23) Vinyl Acetate	5.958	43	498605	92.794	ug/l	98
24) 1,1-Dichloroethane	5.915	63	109510	19.939	ug/l	98
25) 2-Butanone	6.890	43	75132	90.607	ug/l	98
26) 2,2-Dichloropropane	6.884	77	97186	19.893	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	68636	20.185	ug/l	96
28) Bromochloromethane	7.238	49	41634	17.975	ug/l	92
29) Tetrahydrofuran	7.262	42	49127	92.055	ug/l	98
30) Chloroform	7.421	83	114067	19.968	ug/l	98
31) Cyclohexane	7.701	56	91074	18.191	ug/l	90
32) 1,1,1-Trichloroethane	7.616	97	103851	20.115	ug/l	98
36) 1,1-Dichloropropene	7.835	75	78621	19.412	ug/l	98
37) Ethyl Acetate	6.982	43	35272	18.453	ug/l	98
38) Carbon Tetrachloride	7.817	117	93678	20.194	ug/l	97
39) Methylcyclohexane	9.110	83	92467	19.111	ug/l	98
40) Benzene	8.079	78	246182	20.297	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021853.D
 Acq On : 11 Apr 2025 12:28
 Operator : SY/MD
 Sample : VY0411SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/14/2025
 Supervised By :Semsettin Yesilyurt 04/14/2025

Quant Time: Apr 12 02:47:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	21263	20.947	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	66951	19.580	ug/l	100
43) Isopropyl Acetate	8.195	43	67897	18.744	ug/l	98
44) Trichloroethene	8.866	130	64547	20.886	ug/l	100
45) 1,2-Dichloropropane	9.140	63	57185	19.918	ug/l	94
46) Dibromomethane	9.231	93	33009	19.949	ug/l	99
47) Bromodichloromethane	9.420	83	85927	20.041	ug/l	99
48) Methyl methacrylate	9.219	41	32878	19.776	ug/l	98
49) 1,4-Dioxane	9.225	88	7355	414.937	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	178028	94.443	ug/l	98
52) Toluene	10.170	92	155125	20.499	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	75693	19.876	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	87863	19.557	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	43853	20.595	ug/l	98
56) Ethyl methacrylate	10.439	69	54410	20.012	ug/l	96
57) 1,3-Dichloropropane	10.719	76	73973	20.115	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	136529	102.933	ug/l	98
59) 2-Hexanone	10.762	43	117310	93.444	ug/l	99
60) Dibromochloromethane	10.908	129	59548	20.483	ug/l	99
61) 1,2-Dibromoethane	11.012	107	39785	19.918	ug/l	95
64) Tetrachloroethene	10.646	164	73897	22.375	ug/l	97
65) Chlorobenzene	11.444	112	169509	20.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	61208	20.753	ug/l	99
67) Ethyl Benzene	11.518	91	285855	20.054	ug/l	99
68) m/p-Xylenes	11.627	106	222848	40.827	ug/l	99
69) o-Xylene	11.957	106	103070	20.457	ug/l	100
70) Styrene	11.969	104	172929	20.585	ug/l	98
71) Bromoform	12.133	173	34263	20.366	ug/l #	100
73) Isopropylbenzene	12.255	105	276145	19.741	ug/l	100
74) N-amyl acetate	12.072	43	57979	17.661	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	45218	17.980	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35519m	19.026	ug/l	
77) Bromobenzene	12.530	156	66160	19.699	ug/l	97
78) n-propylbenzene	12.597	91	331933	19.738	ug/l	99
79) 2-Chlorotoluene	12.682	91	194696	19.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	227007	19.856	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14585	18.001	ug/l	97
82) 4-Chlorotoluene	12.780	91	200035	19.643	ug/l	98
83) tert-Butylbenzene	12.999	119	201861	19.823	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	228682	20.238	ug/l	100
85) sec-Butylbenzene	13.176	105	294858	19.814	ug/l	98
86) p-Isopropyltoluene	13.292	119	249819	20.311	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	134109	20.267	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	131817	20.163	ug/l	98
89) n-Butylbenzene	13.615	91	224734	19.757	ug/l	99
90) Hexachloroethane	13.883	117	52557	19.500	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	115715	20.089	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7745	19.869	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	68380	21.890	ug/l	99
94) Hexachlorobutadiene	15.023	225	43077	22.081	ug/l	99
95) Naphthalene	15.145	128	111977	21.627	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	59827	22.460	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
Data File : VY021853.D
Acq On : 11 Apr 2025 12:28
Operator : SY/MD
Sample : VY0411SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0411SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/14/2025
Supervised By :Semsettin Yesilyurt 04/14/2025

Quant Time: Apr 12 02:47:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021853.D
 Acq On : 11 Apr 2025 12:28
 Operator : SY/MD
 Sample : VY0411SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/14/2025
 Supervised By :Semsettin Yesilyurt 04/14/2025

Quant Time: Apr 12 02:47:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

