

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007114.D
 Acq On : 11 Jan 2022 14:05
 Operator : SY/MD
 Sample : VY0111SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0111SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 05:08:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	139057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	236211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	212170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88447	53.167	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.340%			
35) Dibromofluoromethane	7.728	113	78424	49.815	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.640%			
50) Toluene-d8	10.185	98	283102	48.684	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.360%			
62) 4-Bromofluorobenzene	12.483	95	105108	50.118	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	10492	21.836	ug/l	92
3) Chloromethane	2.119	50	21120	20.985	ug/l	93
4) Vinyl Chloride	2.266	62	30303	20.740	ug/l	96
5) Bromomethane	2.662	94	21412	22.058	ug/l	100
6) Chloroethane	2.802	64	19891	22.220	ug/l	97
7) Trichlorofluoromethane	3.137	101	40609	22.698	ug/l	94
8) Diethyl Ether	3.534	74	18960	21.698	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	31118	20.239	ug/l	98
10) Methyl Iodide	4.095	142	48713	20.463	ug/l	98
11) Tert butyl alcohol	4.960	59	15695	118.330	ug/l	100
12) 1,1-Dichloroethene	3.881	96	32652	20.541	ug/l	95
13) Acrolein	3.735	56	5066	118.930	ug/l	99
14) Allyl chloride	4.485	41	53639	22.208	ug/l	99
15) Acrylonitrile	5.174	53	45616	113.699	ug/l	97
16) Acetone	3.948	43	37906	121.447	ug/l	97
17) Carbon Disulfide	4.204	76	93403	20.510	ug/l	99
18) Methyl Acetate	4.485	43	35732	24.958	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	69764	22.082	ug/l	99
20) Methylene Chloride	4.722	84	37482	20.511	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	35447	20.674	ug/l	99
22) Diisopropyl ether	6.125	45	109876	22.368	ug/l	98
23) Vinyl Acetate	6.070	43	314425	110.534	ug/l	97
24) 1,1-Dichloroethane	6.027	63	64698	21.590	ug/l	98
25) 2-Butanone	6.996	43	56776	117.726	ug/l	97
26) 2,2-Dichloropropane	6.984	77	49209	21.163	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	39903	20.672	ug/l	96
28) Bromochloromethane	7.338	49	20893	18.677	ug/l	93
29) Tetrahydrofuran	7.356	42	39330	113.862	ug/l	99
30) Chloroform	7.515	83	67957	21.537	ug/l	100
31) Cyclohexane	7.789	56	59204	20.677	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	58510	21.323	ug/l	99
36) 1,1-Dichloropropene	7.923	75	52801	21.166	ug/l	99
37) Ethyl Acetate	7.082	43	26703	21.872	ug/l	97
38) Carbon Tetrachloride	7.911	117	54444	20.888	ug/l	100
39) Methylcyclohexane	9.185	83	64432	20.653	ug/l	97
40) Benzene	8.167	78	138699	20.651	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007114.D
 Acq On : 11 Jan 2022 14:05
 Operator : SY/MD
 Sample : VY0111SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0111SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 05:08:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	14251	20.532	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	45670	22.271	ug/l	99
43) Isopropyl Acetate	8.277	43	53902	22.753	ug/l	97
44) Trichloroethene	8.947	130	37489	20.173	ug/l	95
45) 1,2-Dichloropropane	9.222	63	35860	21.566	ug/l	94
46) Dibromomethane	9.313	93	21277	21.462	ug/l	97
47) Bromodichloromethane	9.502	83	51832	20.931	ug/l	98
48) Methyl methacrylate	9.295	41	23886	22.365	ug/l	97
49) 1,4-Dioxane	9.307	88	4770	472.158	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	134278	115.066	ug/l	97
52) Toluene	10.246	92	90300	21.119	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	56239	21.734	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	61235	20.982	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	28515	21.170	ug/l	96
56) Ethyl methacrylate	10.514	69	40778	21.552	ug/l	95
57) 1,3-Dichloropropane	10.795	76	50999	21.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	93147	107.857	ug/l	100
59) 2-Hexanone	10.837	43	90268	119.236	ug/l	98
60) Dibromochloromethane	10.990	129	34911	20.772	ug/l	100
61) 1,2-Dibromoethane	11.093	107	28320	21.016	ug/l	99
64) Tetrachloroethene	10.721	164	30913	20.421	ug/l	97
65) Chlorobenzene	11.520	112	94887	20.782	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	34804	20.588	ug/l	99
67) Ethyl Benzene	11.599	91	176062	20.529	ug/l	99
68) m/p-Xylenes	11.703	106	130969	40.829	ug/l	98
69) o-Xylene	12.032	106	61729	20.544	ug/l	97
70) Styrene	12.050	104	105337	20.747	ug/l	99
71) Bromoform	12.215	173	20143	20.806	ug/l #	98
73) Isopropylbenzene	12.337	105	167782	20.454	ug/l	99
74) N-amyl acetate	12.148	43	46688	22.358	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	32717	20.914	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27760m	25.231	ug/l	
77) Bromobenzene	12.611	156	37147	20.507	ug/l	99
78) n-propylbenzene	12.678	91	207398	20.696	ug/l	100
79) 2-Chlorotoluene	12.758	91	117359	20.586	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	139293	20.643	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	12466	21.281	ug/l #	97
82) 4-Chlorotoluene	12.855	91	122609	20.831	ug/l	100
83) tert-Butylbenzene	13.081	119	119936	20.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	136013	20.507	ug/l	99
85) sec-Butylbenzene	13.257	105	177344	20.480	ug/l	99
86) p-Isopropyltoluene	13.373	119	146834	20.712	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	71373	20.416	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	70298	20.196	ug/l	97
89) n-Butylbenzene	13.703	91	144566	20.907	ug/l	98
90) Hexachloroethane	13.965	117	28178	20.057	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	63381	20.647	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5237	20.103	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	37412	20.542	ug/l	99
94) Hexachlorobutadiene	15.117	225	18964	20.226	ug/l	98
95) Naphthalene	15.239	128	78061	20.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31839	20.725	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007114.D
 Acq On : 11 Jan 2022 14:05
 Operator : SY/MD
 Sample : VY0111SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0111SBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 05:08:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

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

