

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071739.D
 Acq On : 19 Jan 2022 12:02
 Operator : VA/SY
 Sample : VD0119SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0119SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/21/2022
 Supervised By : Mahesh Dadoda 01/21/2022

Quant Time: Jan 20 04:56:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	287782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	488277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	449538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	218283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	199534	53.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.780%			
35) Dibromofluoromethane	7.914	113	174781	54.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.320%			
50) Toluene-d8	10.338	98	650297	53.835	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.680%			
62) 4-Bromofluorobenzene	12.626	95	215578	50.647	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	43882	19.791	ug/l	98
3) Chloromethane	2.215	50	58382	19.789	ug/l	95
4) Vinyl Chloride	2.350	62	69217	19.344	ug/l	99
5) Bromomethane	2.762	94	49953	20.488	ug/l	91
6) Chloroethane	2.920	64	51654	20.257	ug/l	94
7) Trichlorofluoromethane	3.273	101	101722	20.054	ug/l	90
8) Diethyl Ether	3.715	74	27910	20.921	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	61754	20.829	ug/l	97
10) Methyl Iodide	4.303	142	47086	16.611	ug/l	98
11) Tert butyl alcohol	5.214	59	20060	13.933	ug/l #	85
12) 1,1-Dichloroethene	4.067	96	49081	19.078	ug/l	95
13) Acrolein	3.926	56	28782	79.636	ug/l	100
14) Allyl chloride	4.720	41	104373	20.460	ug/l	99
15) Acrylonitrile	5.426	53	79649	112.973	ug/l	99
16) Acetone	4.162	43	90427	105.773	ug/l	98
17) Carbon Disulfide	4.409	76	119191	18.756	ug/l	100
18) Methyl Acetate	4.726	43	60592	24.466	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	141165	20.787	ug/l	97
20) Methylene Chloride	4.973	84	68316	20.038	ug/l	90
21) trans-1,2-Dichloroethene	5.479	96	58573	19.936	ug/l	96
22) Diisopropyl ether	6.367	45	231400	21.066	ug/l	96
23) Vinyl Acetate	6.309	43	522117m	101.853	ug/l	
24) 1,1-Dichloroethane	6.273	63	127132	20.276	ug/l	98
25) 2-Butanone	7.214	43	107706	106.631	ug/l	99
26) 2,2-Dichloropropane	7.208	77	108315	20.573	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	70321	20.279	ug/l	99
28) Bromochloromethane	7.556	49	58679	19.211	ug/l	95
29) Tetrahydrofuran	7.561	42	64066	110.254	ug/l	98
30) Chloroform	7.714	83	137054	21.376	ug/l	95
31) Cyclohexane	7.985	56	103147	20.315	ug/l #	95
32) 1,1,1-Trichloroethane	7.903	97	116880	20.683	ug/l	98
36) 1,1-Dichloropropene	8.114	75	90186	19.593	ug/l	96
37) Ethyl Acetate	7.291	43	46629	21.826	ug/l	96
38) Carbon Tetrachloride	8.097	117	97278	20.868	ug/l	98
39) Methylcyclohexane	9.355	83	91241	18.351	ug/l	92
40) Benzene	8.350	78	262473	20.695	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071739.D
 Acq On : 19 Jan 2022 12:02
 Operator : VA/SY
 Sample : VD0119SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0119SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/21/2022
 Supervised By : Mahesh Dadoda 01/21/2022

Quant Time: Jan 20 04:56:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	32903	25.546	ug/l #	87
42) 1,2-Dichloroethane	8.426	62	91369	21.283	ug/l	97
43) Isopropyl Acetate	8.455	43	93829	23.332	ug/l	99
44) Trichloroethene	9.114	130	65911	20.194	ug/l	96
45) 1,2-Dichloropropane	9.385	63	71785	20.938	ug/l	98
46) Dibromomethane	9.473	93	37454	21.343	ug/l	97
47) Bromodichloromethane	9.661	83	106487	22.102	ug/l	100
48) Methyl methacrylate	9.455	41	45684	22.480	ug/l	93
49) 1,4-Dioxane	9.461	88	7816	444.262	ug/l #	89
51) 4-Methyl-2-Pentanone	10.226	43	237905	111.997	ug/l	98
52) Toluene	10.402	92	170093	21.306	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	91881	21.740	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	105493	21.170	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	51985	22.597	ug/l	96
56) Ethyl methacrylate	10.655	69	61659	21.866	ug/l	96
57) 1,3-Dichloropropane	10.944	76	88953	20.924	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	171706	110.303	ug/l	98
59) 2-Hexanone	10.979	43	168521	113.585	ug/l	99
60) Dibromochloromethane	11.132	129	65001	22.198	ug/l	98
61) 1,2-Dibromoethane	11.238	107	46632	21.187	ug/l	97
64) Tetrachloroethene	10.873	164	53487	20.255	ug/l	95
65) Chlorobenzene	11.667	112	176851	20.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	67243	20.616	ug/l	97
67) Ethyl Benzene	11.738	91	314733	19.929	ug/l	95
68) m/p-Xylenes	11.849	106	243984	41.539	ug/l	97
69) o-Xylene	12.173	106	115627	20.799	ug/l	95
70) Styrene	12.185	104	198560	20.837	ug/l	99
71) Bromoform	12.355	173	36410	22.861	ug/l #	97
73) Isopropylbenzene	12.473	105	307367	19.594	ug/l	98
74) N-amyl acetate	12.285	43	80588	20.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	59439	21.383	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	34697m	16.450	ug/l	
77) Bromobenzene	12.749	156	69021	20.370	ug/l	95
78) n-propylbenzene	12.814	91	392798	19.910	ug/l	100
79) 2-Chlorotoluene	12.902	91	226626	20.382	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	260519	19.877	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	17738	23.445	ug/l	90
82) 4-Chlorotoluene	12.996	91	233863	20.273	ug/l	100
83) tert-Butylbenzene	13.214	119	218130	19.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	257969	19.903	ug/l	99
85) sec-Butylbenzene	13.391	105	341067	19.883	ug/l	100
86) p-Isopropyltoluene	13.508	119	277139	19.678	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	143345	20.499	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	141350	19.814	ug/l	99
89) n-Butylbenzene	13.832	91	272148	19.296	ug/l	99
90) Hexachloroethane	14.096	117	55738	20.003	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	124551	20.783	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	9316	20.852	ug/l	89
93) 1,2,4-Trichlorobenzene	15.149	180	71483	20.697	ug/l	100
94) Hexachlorobutadiene	15.255	225	39699	19.607	ug/l	99
95) Naphthalene	15.385	128	131617	21.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	60975	20.719	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
Data File : VD071739.D
Acq On : 19 Jan 2022 12:02
Operator : VA/SY
Sample : VD0119SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0119SBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/21/2022
Supervised By :Mahesh Dadoda 01/21/2022

Quant Time: Jan 20 04:56:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration

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

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

