

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071665.D
 Acq On : 10 Jan 2022 18:50
 Operator : VA/SY
 Sample : VD0110SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS02

Manual Integrations
 APPROVED

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

Quant Time: Jan 11 04:10:55 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	273896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	471444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	452076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	210758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	196512	55.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.520%			
35) Dibromofluoromethane	7.914	113	164744	52.876	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.760%			
50) Toluene-d8	10.338	98	639492	54.831	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.660%			
62) 4-Bromofluorobenzene	12.626	95	214163	52.111	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	46405	22.052	ug/l	99
3) Chloromethane	2.215	50	64313	23.072	ug/l	97
4) Vinyl Chloride	2.356	62	70475	20.695	ug/l	92
5) Bromomethane	2.768	94	54888	23.762	ug/l	95
6) Chloroethane	2.926	64	51780	21.336	ug/l	98
7) Trichlorofluoromethane	3.279	101	100097	20.734	ug/l	99
8) Diethyl Ether	3.715	74	28823	22.700	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	59140	20.959	ug/l	99
10) Methyl Iodide	4.303	142	51232	18.990	ug/l	99
11) Tert butyl alcohol	5.191	59	34281m	166.710	ug/l	
12) 1,1-Dichloroethene	4.073	96	49731	20.310	ug/l	96
13) Acrolein	3.926	56	34158	99.303	ug/l	99
14) Allyl chloride	4.715	41	102735	21.160	ug/l	96
15) Acrylonitrile	5.420	53	78681	117.258	ug/l	98
16) Acetone	4.162	43	87868	107.990	ug/l	99
17) Carbon Disulfide	4.420	76	127354	20.999	ug/l	97
18) Methyl Acetate	4.720	43	59277	25.160	ug/l	100
19) Methyl tert-butyl Ether	5.485	73	145926	22.577	ug/l	95
20) Methylene Chloride	4.967	84	72767	22.756	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	57642	20.614	ug/l	95
22) Diisopropyl ether	6.367	45	229972	21.997	ug/l	98
23) Vinyl Acetate	6.309	43	536226	109.909	ug/l	99
24) 1,1-Dichloroethane	6.273	63	130252	21.827	ug/l	98
25) 2-Butanone	7.214	43	109596	114.003	ug/l	98
26) 2,2-Dichloropropane	7.214	77	101379	20.231	ug/l	98
27) cis-1,2-Dichloroethene	7.220	96	70481	21.355	ug/l	99
28) Bromochloromethane	7.544	49	59789	20.567	ug/l	96
29) Tetrahydrofuran	7.567	42	63007	113.929	ug/l	97
30) Chloroform	7.709	83	136274	22.332	ug/l	94
31) Cyclohexane	7.991	56	102508	21.198	ug/l #	90
32) 1,1,1-Trichloroethane	7.909	97	111389	20.711	ug/l	99
36) 1,1-Dichloropropene	8.114	75	89885	20.224	ug/l	98
37) Ethyl Acetate	7.291	43	45142	21.885	ug/l	95
38) Carbon Tetrachloride	8.097	117	93109	20.687	ug/l	96
39) Methylcyclohexane	9.350	83	91624	19.086	ug/l	98
40) Benzene	8.350	78	262231	21.415	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071665.D
 Acq On : 10 Jan 2022 18:50
 Operator : VA/SY
 Sample : VD0110SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS02

Manual Integrations
 APPROVED

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

Quant Time: Jan 11 04:10:55 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	7.526	41	25315m	20.586	ug/l	
42) 1,2-Dichloroethane	8.426	62	92126	22.225	ug/l	97
43) Isopropyl Acetate	8.450	43	88403	22.768	ug/l	97
44) Trichloroethene	9.108	130	66796	21.196	ug/l	99
45) 1,2-Dichloropropane	9.385	63	74559	22.524	ug/l	97
46) Dibromomethane	9.473	93	37352	22.045	ug/l	97
47) Bromodichloromethane	9.655	83	105787	22.741	ug/l	95
48) Methyl methacrylate	9.455	41	40146	20.460	ug/l	97
49) 1,4-Dioxane	9.461	88	8298	488.499	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	238300	116.188	ug/l	99
52) Toluene	10.397	92	166531	21.605	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	92415	22.647	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	105895	22.009	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	54043	24.331	ug/l	97
56) Ethyl methacrylate	10.655	69	60964	22.392	ug/l	99
57) 1,3-Dichloropropane	10.938	76	89706	21.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	164127	109.199	ug/l	100
59) 2-Hexanone	10.979	43	168815	117.846	ug/l	100
60) Dibromochloromethane	11.138	129	63757	22.551	ug/l	99
61) 1,2-Dibromoethane	11.238	107	48388	22.770	ug/l	98
64) Tetrachloroethene	10.873	164	54917	20.680	ug/l	97
65) Chlorobenzene	11.661	112	181325	20.960	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	68186	20.787	ug/l	98
67) Ethyl Benzene	11.738	91	322183	20.286	ug/l	96
68) m/p-Xylenes	11.844	106	242205	41.005	ug/l	98
69) o-Xylene	12.173	106	112521	20.126	ug/l	99
70) Styrene	12.185	104	201095	20.985	ug/l	99
71) Bromoform	12.349	173	36707	22.918	ug/l #	99
73) Isopropylbenzene	12.473	105	305777	20.189	ug/l	97
74) N-amyl acetate	12.279	43	82825	22.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	60255	22.451	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	42194m	20.719	ug/l	
77) Bromobenzene	12.755	156	70152	21.443	ug/l	98
78) n-propylbenzene	12.814	91	394641	20.718	ug/l	100
79) 2-Chlorotoluene	12.902	91	221319	20.615	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	267074	21.105	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	15605	21.363	ug/l	95
82) 4-Chlorotoluene	12.996	91	233046	20.924	ug/l	100
83) tert-Butylbenzene	13.214	119	221111	20.448	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	271948	21.730	ug/l	97
85) sec-Butylbenzene	13.391	105	333840	20.157	ug/l	100
86) p-Isopropyltoluene	13.508	119	281415	20.695	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	148527	21.999	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	147189	21.369	ug/l	99
89) n-Butylbenzene	13.832	91	272513	20.011	ug/l	100
90) Hexachloroethane	14.096	117	55695	20.702	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	129259	22.338	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	10415	24.144	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	73351	21.996	ug/l	99
94) Hexachlorobutadiene	15.255	225	39124	20.013	ug/l	97
95) Naphthalene	15.385	128	132877	22.506	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	61793	21.746	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
Data File : VD071665.D
Acq On : 10 Jan 2022 18:50
Operator : VA/SY
Sample : VD0110SBSD02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD02

Manual Integrations
APPROVED

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

Quant Time: Jan 11 04:10:55 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

