

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072282.D
 Acq On : 18 Mar 2022 11:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 05:20:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	362065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	571283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	537875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216007	53.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.060%	
35) Dibromofluoromethane	7.908	113	211036	52.494	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.980%	
50) Toluene-d8	10.332	98	772208	52.532	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.060%	
62) 4-Bromofluorobenzene	12.626	95	287256	50.293	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	152439	45.520	ug/l	100
3) Chloromethane	2.209	50	158086	53.124	ug/l	98
4) Vinyl Chloride	2.350	62	158608	55.216	ug/l	100
5) Bromomethane	2.761	94	101330	54.173	ug/l	97
6) Chloroethane	2.914	64	103727	54.617	ug/l	97
7) Trichlorofluoromethane	3.273	101	324803	50.070	ug/l	100
8) Diethyl Ether	3.714	74	89044	49.701	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	201735	48.772	ug/l	96
10) Methyl Iodide	4.303	142	144921	39.593	ug/l	99
11) Tert butyl alcohol	5.208	59	54796	234.216	ug/l	99
12) 1,1-Dichloroethene	4.067	96	165675	49.788	ug/l	93
13) Acrolein	3.920	56	49505	237.135	ug/l	96
14) Allyl chloride	4.708	41	288970	49.668	ug/l	94
15) Acrylonitrile	5.414	53	234858	259.798	ug/l	96
16) Acetone	4.156	43	200589	228.961	ug/l	90
17) Carbon Disulfide	4.408	76	390422	50.297	ug/l	99
18) Methyl Acetate	4.714	43	103878	48.384	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	453866	50.181	ug/l	100
20) Methylene Chloride	4.961	84	228907	53.201	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	192237	52.230	ug/l	97
22) Diisopropyl ether	6.361	45	695926	52.442	ug/l #	93
23) Vinyl Acetate	6.302	43	1835907	271.078	ug/l	96
24) 1,1-Dichloroethane	6.255	63	394019	50.345	ug/l	100
25) 2-Butanone	7.208	43	294591	252.198	ug/l	98
26) 2,2-Dichloropropane	7.202	77	333728	47.260	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	230126	48.974	ug/l	97
28) Bromochloromethane	7.544	49	176877	56.139	ug/l	87
29) Tetrahydrofuran	7.561	42	187613	273.148	ug/l	94
30) Chloroform	7.708	83	417251	50.044	ug/l	98
31) Cyclohexane	7.979	56	317004	50.285	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	360163	48.637	ug/l	99
36) 1,1-Dichloropropene	8.108	75	292877	51.931	ug/l	97
37) Ethyl Acetate	7.285	43	128850	52.156	ug/l #	97
38) Carbon Tetrachloride	8.097	117	323568	50.472	ug/l	98
39) Methylcyclohexane	9.349	83	334281	52.673	ug/l	99
40) Benzene	8.349	78	838706	52.127	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072282.D
 Acq On : 18 Mar 2022 11:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 05:20:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	77507	53.827	ug/l	90
42) 1,2-Dichloroethane	8.420	62	256571	52.567	ug/l	97
43) Isopropyl Acetate	8.449	43	251496	52.449	ug/l	95
44) Trichloroethene	9.108	130	226317	50.105	ug/l	95
45) 1,2-Dichloropropane	9.379	63	226171	51.256	ug/l	98
46) Dibromomethane	9.473	93	117464	54.116	ug/l	96
47) Bromodichloromethane	9.655	83	319385	50.474	ug/l	98
48) Methyl methacrylate	9.455	41	131356	57.371	ug/l	94
49) 1,4-Dioxane	9.461	88	28280	1086.479	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	687524	272.994	ug/l	95
52) Toluene	10.396	92	550234	51.971	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	290592	50.264	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	343125	51.341	ug/l	92
55) 1,1,2-Trichloroethane	10.796	97	168868	51.071	ug/l	96
56) Ethyl methacrylate	10.655	69	208648	53.873	ug/l	89
57) 1,3-Dichloropropane	10.938	76	287893	51.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	477748	274.349	ug/l	97
59) 2-Hexanone	10.979	43	476258	273.802	ug/l	97
60) Dibromochloromethane	11.132	129	213948	49.864	ug/l	99
61) 1,2-Dibromoethane	11.243	107	153789	51.471	ug/l	99
64) Tetrachloroethene	10.873	164	186384	49.181	ug/l	94
65) Chlorobenzene	11.661	112	587803	49.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	226981	48.136	ug/l	100
67) Ethyl Benzene	11.738	91	1071326	50.303	ug/l	99
68) m/p-Xylenes	11.843	106	826958	102.257	ug/l	100
69) o-Xylene	12.173	106	391591	50.623	ug/l	97
70) Styrene	12.185	104	689042	51.011	ug/l	98
71) Bromoform	12.355	173	123097	48.870	ug/l #	97
73) Isopropylbenzene	12.473	105	1082750	49.906	ug/l	99
74) N-amyl acetate	12.279	43	247940	53.179	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	196974	50.764	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	129447m	42.863	ug/l	
77) Bromobenzene	12.749	156	241546	49.465	ug/l	93
78) n-propylbenzene	12.814	91	1338607	50.796	ug/l	100
79) 2-Chlorotoluene	12.896	91	756497	49.645	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	919017	49.307	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	59074	48.532	ug/l	93
82) 4-Chlorotoluene	12.996	91	782402	49.588	ug/l	99
83) tert-Butylbenzene	13.214	119	794565	48.625	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	902876	49.163	ug/l	100
85) sec-Butylbenzene	13.390	105	1207980	49.226	ug/l	99
86) p-Isopropyltoluene	13.502	119	996642	49.356	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	493396	48.211	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	489307	48.216	ug/l	100
89) n-Butylbenzene	13.832	91	957445	49.744	ug/l	99
90) Hexachloroethane	14.102	117	188443	47.614	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	431223	48.329	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30879	49.865	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	272148	46.069	ug/l	99
94) Hexachlorobutadiene	15.255	225	154462	44.950	ug/l	100
95) Naphthalene	15.384	128	491924	48.308	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	240446	47.023	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
Data File : VD072282.D
Acq On : 18 Mar 2022 11:31
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 05:20:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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_D\Data\VD031822\
Data File : VD072282.D
Acq On : 18 Mar 2022 11:31
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Mar 19 05:20:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2022
Supervised By :Mahesh Dadoda 03/21/2022

