

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065922.D
 Acq On : 07 Jul 2020 14:34
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:33 PM

Quant Time: Jul 08 09:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	437549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	79842	20.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.18%	
35) Dibromofluoromethane	7.91	113	82872	20.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.34%	
50) Toluene-d8	10.34	98	305510	20.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.76%	
62) 4-Bromofluorobenzene	12.64	95	105054	20.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	87344	22.454	ug/l	93
3) Chloromethane	2.21	50	83847	21.744	ug/l	96
4) Vinyl Chloride	2.35	62	75637	21.363	ug/l	97
5) Bromomethane	2.75	94	47178	21.036	ug/l #	79
6) Chloroethane	2.92	64	45431	21.465	ug/l	90
7) Trichlorofluoromethane	3.27	101	159829	21.062	ug/l	99
8) Diethyl Ether	3.70	74	42574	20.450	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94930	20.914	ug/l	99
10) Methyl Iodide	4.30	142	81500	18.906	ug/l	99
11) Tert butyl alcohol	5.23	59	31109	113.249	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	87905	20.730	ug/l	97
13) Acrolein	3.93	56	27971	122.261	ug/l	96
14) Allyl chloride	4.71	41	148761	20.701	ug/l	99
15) Acrylonitrile	5.42	53	95004	104.230	ug/l	99
16) Acetone	4.16	43	91413	100.590	ug/l	99
17) Carbon Disulfide	4.41	76	282893	20.937	ug/l	100
18) Methyl Acetate	4.71	43	42482	19.942	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	184441	20.545	ug/l	100
20) Methylene Chloride	4.97	84	131388	20.353	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97500	20.436	ug/l	99
22) Diisopropyl ether	6.36	45	281433	20.840	ug/l	98
23) Vinyl Acetate	6.30	43	809482	105.013	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165903	20.602	ug/l	97
25) 2-Butanone	7.21	43	119856	99.809	ug/l	90
26) 2,2-Dichloropropane	7.21	77	143409	20.357	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104911	20.466	ug/l	99
28) Bromochloromethane	7.54	49	67961	22.341	ug/l	98
29) Tetrahydrofuran	7.56	42	77826	101.920	ug/l	98
30) Chloroform	7.71	83	167123	20.472	ug/l	94
31) Cyclohexane	7.98	56	162111	20.461	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	155478	20.869	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135331	20.575	ug/l	98
37) Ethyl Acetate	7.30	43	56577	20.529	ug/l	99
38) Carbon Tetrachloride	8.10	117	141877	20.124	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065922.D
 Acq On : 07 Jul 2020 14:34
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:33 PM

Quant Time: Jul 08 09:40:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165301	20.470	ug/l	96
40) Benzene	8.35	78	374573	20.613	ug/l	98
41) Methacrylonitrile	7.53	41	31780	19.401	ug/l	93
42) 1,2-Dichloroethane	8.43	62	104682	20.335	ug/l	99
43) Isopropyl Acetate	8.45	43	103245	20.126	ug/l	99
44) Trichloroethene	9.11	130	109173	20.448	ug/l	95
45) 1,2-Dichloropropane	9.39	63	91495	20.287	ug/l	94
46) Dibromomethane	9.48	93	48403	20.614	ug/l	97
47) Bromodichloromethane	9.67	83	128460	20.395	ug/l	96
48) Methyl methacrylate	9.46	41	52775	20.436	ug/l	96
49) 1,4-Dioxane	9.46	88	10782	386.456	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	263868	101.741	ug/l	99
52) Toluene	10.40	92	239244	20.695	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	123216	20.805	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	146795	20.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	64663	19.988	ug/l	96
56) Ethyl methacrylate	10.66	69	82456	20.868	ug/l	95
57) 1,3-Dichloropropane	10.95	76	119606	21.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	207100	108.222	ug/l	99
59) 2-Hexanone	10.98	43	188800	105.850	ug/l	97
60) Dibromochloromethane	11.14	129	93895	21.243	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65550	20.322	ug/l	98
64) Tetrachloroethene	10.88	164	90472	20.290	ug/l	98
65) Chlorobenzene	11.67	112	261314	21.148	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	93916	20.321	ug/l	98
67) Ethyl Benzene	11.75	91	455394	20.746	ug/l	99
68) m/p-Xylenes	11.86	106	348388	41.774	ug/l	97
69) o-Xylene	12.18	106	157115	20.681	ug/l	99
70) Styrene	12.20	104	272589	20.785	ug/l	99
71) Bromoform	12.36	173	52715	20.158	ug/l #	95
73) Isopropylbenzene	12.48	105	436186	20.599	ug/l	100
74) N-amyl acetate	12.29	43	97423	20.503	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71701	20.396	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49811m	19.651	ug/l	
77) Bromobenzene	12.76	156	106049	20.649	ug/l	100
78) n-propylbenzene	12.83	91	520528	20.967	ug/l	100
79) 2-Chlorotoluene	12.91	91	292462	20.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	363564	20.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24731	20.879	ug/l	96
82) 4-Chlorotoluene	13.01	91	303743	20.556	ug/l	99
83) tert-Butylbenzene	13.23	119	308309	20.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	361704	20.980	ug/l	99
85) sec-Butylbenzene	13.41	105	431637	20.641	ug/l	99
86) p-Isopropyltoluene	13.52	119	393835	20.591	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	202399	21.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	198946	20.750	ug/l	100
89) n-Butylbenzene	13.85	91	370319	20.617	ug/l	99
90) Hexachloroethane	14.11	117	79504	20.613	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	174086	20.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12674	21.561	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
Data File : VD065922.D
Acq On : 07 Jul 2020 14:34
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:05:33 PM

Quant Time: Jul 08 09:40:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123724	20.668	ug/l	97
94) Hexachlorobutadiene	15.27	225	72847	20.117	ug/l	98
95) Naphthalene	15.40	128	197891	19.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	107694	20.856	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070720\
Data File : VD065922.D
Acq On : 07 Jul 2020 14:34
Operator : VA/SY
Sample : VSTDIC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:05:33 PM

Quant Time: Jul 08 09:40:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:18:56 2020
Response via : Initial Calibration

