

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 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
 2/19/2020 1:44:06 PM

Quant Time: Feb 19 03:16:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	82960	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	
35) Dibromofluoromethane	7.92	113	84191	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	
50) Toluene-d8	10.34	98	327725	19.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.02%	
62) 4-Bromofluorobenzene	12.64	95	101794	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74664	18.571	ug/l	97
3) Chloromethane	2.21	50	101667	19.868	ug/l	98
4) Vinyl Chloride	2.35	62	104018	19.990	ug/l	100
5) Bromomethane	2.76	94	59525	18.920	ug/l	86
6) Chloroethane	2.92	64	63425	19.969	ug/l	92
7) Trichlorofluoromethane	3.27	101	150724	20.232	ug/l	99
8) Diethyl Ether	3.71	74	45075	20.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	96197	20.448	ug/l	100
10) Methyl Iodide	4.30	142	94388	19.323	ug/l	97
11) Tert butyl alcohol	5.25	59	26938	104.542	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	89592	20.159	ug/l	99
13) Acrolein	3.93	56	44343	115.597	ug/l	100
14) Allyl chloride	4.71	41	142778	19.784	ug/l	99
15) Acrylonitrile	5.44	53	101339	101.787	ug/l	100
16) Acetone	4.17	43	93750	88.939	ug/l	96
17) Carbon Disulfide	4.40	76	299952	20.132	ug/l	100
18) Methyl Acetate	4.73	43	49261	20.779	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	185484	20.014	ug/l	96
20) Methylene Chloride	4.96	84	107677	20.123	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	103383	20.463	ug/l	92
22) Diisopropyl ether	6.37	45	287172	20.641	ug/l	99
23) Vinyl Acetate	6.31	43	778421	101.490	ug/l	97
24) 1,1-Dichloroethane	6.27	63	173613	20.119	ug/l	99
25) 2-Butanone	7.22	43	128381	96.262	ug/l	100
26) 2,2-Dichloropropane	7.21	77	151040	20.173	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	106722	19.942	ug/l	98
28) Bromochloromethane	7.55	49	61014	19.058	ug/l	95
29) Tetrahydrofuran	7.57	42	79430	101.648	ug/l	100
30) Chloroform	7.71	83	177505	20.417	ug/l	92
31) Cyclohexane	7.98	56	170127	20.065	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	158466	20.372	ug/l	99
36) 1,1-Dichloropropene	8.11	75	143560	20.471	ug/l	99
37) Ethyl Acetate	7.30	43	59913	20.436	ug/l	99
38) Carbon Tetrachloride	8.10	117	145051	20.318	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 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
 2/19/2020 1:44:06 PM

Quant Time: Feb 19 03:16:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164479	19.950	ug/l	99
40) Benzene	8.36	78	401731	20.295	ug/l	100
41) Methacrylonitrile	7.53	41	34818	20.569	ug/l	90
42) 1,2-Dichloroethane	8.43	62	110835	20.367	ug/l	99
43) Isopropyl Acetate	8.46	43	105431	19.776	ug/l	98
44) Trichloroethene	9.11	130	107546	19.600	ug/l	96
45) 1,2-Dichloropropane	9.40	63	97604	19.830	ug/l	99
46) Dibromomethane	9.48	93	51210	20.221	ug/l	98
47) Bromodichloromethane	9.67	83	133592	20.017	ug/l	96
48) Methyl methacrylate	9.46	41	49141	19.941	ug/l	98
49) 1,4-Dioxane	9.47	88	12392	417.202	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	275223	101.640	ug/l	99
52) Toluene	10.41	92	251393	20.518	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	124878	20.186	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	149690	20.038	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	72872	20.444	ug/l	97
56) Ethyl methacrylate	10.67	69	82902	20.150	ug/l	99
57) 1,3-Dichloropropane	10.95	76	123613	20.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	123415	95.146	ug/l	100
59) 2-Hexanone	10.99	43	191322	98.703	ug/l	100
60) Dibromochloromethane	11.14	129	92067	20.180	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67731	20.069	ug/l	100
64) Tetrachloroethene	10.88	164	95269	20.589	ug/l	95
65) Chlorobenzene	11.67	112	264771	20.224	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	98116	20.082	ug/l	99
67) Ethyl Benzene	11.75	91	467719	20.398	ug/l	100
68) m/p-Xylenes	11.86	106	357190	40.716	ug/l	98
69) o-Xylene	12.18	106	157658	20.285	ug/l	99
70) Styrene	12.20	104	281780	20.420	ug/l	99
71) Bromoform	12.37	173	54555	20.123	ug/l #	100
73) Isopropylbenzene	12.48	105	436069	20.653	ug/l	98
74) N-amyl acetate	12.30	43	93998	20.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77045	20.219	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	60924m	13.330	ug/l	
77) Bromobenzene	12.77	156	105330	20.090	ug/l	96
78) n-propylbenzene	12.83	91	513923	20.255	ug/l	99
79) 2-Chlorotoluene	12.91	91	285928	20.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	357723	20.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25737	20.480	ug/l	98
82) 4-Chlorotoluene	13.01	91	306435	20.307	ug/l	99
83) tert-Butylbenzene	13.23	119	294613	20.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360871	20.733	ug/l	100
85) sec-Butylbenzene	13.41	105	423788	20.179	ug/l	99
86) p-Isopropyltoluene	13.53	119	392614	20.442	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206227	20.346	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	203772	20.370	ug/l	98
89) n-Butylbenzene	13.85	91	358537	20.259	ug/l	99
90) Hexachloroethane	14.12	117	78794	20.205	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175121	20.122	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11802	20.098	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 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
 2/19/2020 1:44:06 PM

Quant Time: Feb 19 03:16:28 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	111414	19.571	ug/l	96
94) Hexachlorobutadiene	15.28	225	72874	19.956	ug/l	99
95) Naphthalene	15.41	128	178623	19.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99889	20.091	ug/l	100

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

