

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063476.D
 Acq On : 9 Aug 2019 16:26
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

Quant Time: Aug 10 06:48:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1215033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1799660	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1469691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	745964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	676156	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
35) Dibromofluoromethane	6.94	113	758528	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.43	98	1746913	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	13.57	95	649932	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	762964	51.903	ug/l	96
3) Chloromethane	1.75	50	598873	52.144	ug/l	95
4) Vinyl Chloride	1.85	62	655248	57.471	ug/l	96
5) Bromomethane	2.16	94	325898	60.578	ug/l	97
6) Chloroethane	2.27	64	297166	56.996	ug/l	93
7) Trichlorofluoromethane	2.54	101	1222809	54.678	ug/l	94
8) Diethyl Ether	2.87	74	166015	52.578	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	754709	57.152	ug/l	94
10) Methyl Iodide	3.31	142	1021221	54.657	ug/l	98
11) Tert butyl alcohol	4.09	59	150196	265.653	ug/l	97
12) 1,1-Dichloroethene	3.13	96	553855	56.412	ug/l	93
13) Acrolein	3.04	56	133945	240.685	ug/l	91
14) Allyl chloride	3.62	41	798191	54.081	ug/l	99
15) Acrylonitrile	4.21	53	426953	285.098	ug/l	89
16) Acetone	3.23	43	789728	299.122	ug/l	95
17) Carbon Disulfide	3.38	76	1702508	54.945	ug/l	98
18) Methyl Acetate	3.65	43	241226	48.237	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	1129111	57.505	ug/l	98
20) Methylene Chloride	3.82	84	542697	47.537	ug/l	88
21) trans-1,2-Dichloroethene	4.22	96	589930	57.099	ug/l	93
22) Diisopropyl ether	5.14	45	1678358	55.107	ug/l	98
23) Vinyl Acetate	5.07	43	4918416	277.785	ug/l	99
24) 1,1-Dichloroethane	5.00	63	1055059	55.853	ug/l	100
25) 2-Butanone	6.08	43	724007	277.662	ug/l	98
26) 2,2-Dichloropropane	6.04	77	1069824	56.860	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	618589	54.724	ug/l	95
28) Bromochloromethane	6.45	49	398962	52.112	ug/l	95
29) Tetrahydrofuran	6.48	42	325325	267.749	ug/l	98
30) Chloroform	6.67	83	1204119	51.283	ug/l	97
31) Cyclohexane	6.97	56	700662	59.748	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	1198597	53.365	ug/l	97
36) 1,1-Dichloropropene	7.16	75	871451	54.776	ug/l	96
37) Ethyl Acetate	6.20	43	342572	51.387	ug/l	98
38) Carbon Tetrachloride	7.13	117	1336679	55.748	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063476.D
 Acq On : 9 Aug 2019 16:26
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD080919

Quant Time: Aug 10 06:48:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	698834	51.657	ug/l	97
40) Benzene	7.46	78	1786528	51.028	ug/l	98
41) Methacrylonitrile	6.46	41	436022	51.945	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	868745	49.348	ug/l	99
43) Isopropyl Acetate	9.25	43	478293	53.569	ug/l	99
44) Trichloroethene	8.56	130	678624	50.712	ug/l	94
45) 1,2-Dichloropropane	8.95	63	455124	55.821	ug/l	100
46) Dibromomethane	9.08	93	365748	52.530	ug/l	96
47) Bromodichloromethane	9.39	83	903500	50.588	ug/l	100
48) Methyl methacrylate	9.13	41	293337	48.444	ug/l	95
49) 1,4-Dioxane	9.10	88	52487	971.414	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	1569742	256.930	ug/l	100
52) Toluene	10.52	92	1157566	51.332	ug/l	94
53) t-1,3-Dichloropropene	10.93	75	753267	51.680	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	850148	51.728	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	384549	50.483	ug/l	98
56) Ethyl methacrylate	11.06	69	404857	48.967	ug/l	94
57) 1,3-Dichloropropane	11.42	76	613441	53.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	1072146	245.629	ug/l	100
59) 2-Hexanone	11.55	43	1200181	269.976	ug/l	97
60) Dibromochloromethane	11.70	129	732023	52.811	ug/l	97
61) 1,2-Dibromoethane	11.81	107	470077	50.976	ug/l	99
64) Tetrachloroethene	11.27	164	635683	56.029	ug/l	95
65) Chlorobenzene	12.40	112	1516993	55.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	624794	51.539	ug/l	93
67) Ethyl Benzene	12.53	91	2372937	49.545	ug/l	99
68) m/p-Xylenes	12.68	106	1819755	108.145	ug/l	99
69) o-Xylene	13.05	106	827870	51.118	ug/l	99
70) Styrene	13.08	104	1409103	48.913	ug/l	96
71) Bromoform	13.24	173	453679	54.578	ug/l	99
73) Isopropylbenzene	13.41	105	2464382	51.939	ug/l	97
74) N-amyl acetate	13.27	43	650054	54.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	430136	54.618	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	472398	55.179	ug/l	99
77) Bromobenzene	13.67	156	698873	53.894	ug/l	96
78) n-propylbenzene	13.78	91	2878253	51.846	ug/l	98
79) 2-Chlorotoluene	13.85	91	1661128	51.896	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	2126639	51.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	125551	54.563	ug/l	99
82) 4-Chlorotoluene	13.95	91	2074570	53.898	ug/l	96
83) tert-Butylbenzene	14.20	119	2206602	50.546	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	2133885	55.630	ug/l	98
85) sec-Butylbenzene	14.37	105	2568117	55.394	ug/l	99
86) p-Isopropyltoluene	14.50	119	2264562	51.087	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	1264790	53.922	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1200176	53.332	ug/l	98
89) n-Butylbenzene	14.81	91	2164838	53.509	ug/l	97
90) Hexachloroethane	15.01	117	651338	58.459	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	1055650	53.046	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	78329	52.822	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
Data File : VD063476.D
Acq On : 9 Aug 2019 16:26
Operator : JC/SY
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

Quant Time: Aug 10 06:48:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	857125	58.533	ug/l	97
94) Hexachlorobutadiene	16.05	225	626785	56.162	ug/l	98
95) Naphthalene	16.13	128	1191151	53.675	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	619211	52.355	ug/l	99

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

