

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063056.D
 Acq On : 10 Jul 2019 14:07
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:05 AM

Quant Time: Jul 11 07:09:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	986142	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1366997	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1167659	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	586001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	490176	45.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	6.92	113	540818	46.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	10.40	98	1207892	48.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	13.55	95	538670	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	549290	43.044	ug/l	99
3) Chloromethane	1.75	50	418730	43.631	ug/l	91
4) Vinyl Chloride	1.85	62	465029	48.871	ug/l	98
5) Bromomethane	2.15	94	194958	43.750	ug/l	98
6) Chloroethane	2.26	64	197376	45.816	ug/l	93
7) Trichlorofluoromethane	2.53	101	950205	49.342	ug/l	100
8) Diethyl Ether	2.87	74	122365	50.010	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	595089	57.040	ug/l	95
10) Methyl Iodide	3.29	142	734638	53.374	ug/l	96
11) Tert butyl alcohol	4.07	59	132318	271.031	ug/l	97
12) 1,1-Dichloroethene	3.12	96	398247	50.885	ug/l	91
13) Acrolein	3.03	56	96941	194.505	ug/l	93
14) Allyl chloride	3.61	41	631694	54.625	ug/l	92
15) Acrylonitrile	4.19	53	342256	298.355	ug/l	94
16) Acetone	3.22	43	651181	300.991	ug/l #	92
17) Carbon Disulfide	3.36	76	1140676	45.604	ug/l	96
18) Methyl Acetate	3.64	43	176055	54.407	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	966524	57.047	ug/l	99
20) Methylene Chloride	3.81	84	409957	50.148	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	451352	54.162	ug/l	91
22) Diisopropyl ether	5.12	45	1388954	59.060	ug/l	93
23) Vinyl Acetate	5.05	43	4239263	288.070	ug/l	98
24) 1,1-Dichloroethane	4.97	63	851263	55.595	ug/l	98
25) 2-Butanone	6.06	43	599649	299.104	ug/l	93
26) 2,2-Dichloropropane	6.02	77	901073	55.520	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	501507	56.909	ug/l	97
28) Bromochloromethane	6.43	49	293490	54.422	ug/l	86
29) Tetrahydrofuran	6.45	42	258735	272.767	ug/l	98
30) Chloroform	6.65	83	1026025	55.099	ug/l	95
31) Cyclohexane	6.95	56	539635	53.609	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	1037081	53.470	ug/l	93
36) 1,1-Dichloropropene	7.13	75	661242	51.098	ug/l	97
37) Ethyl Acetate	6.18	43	285944	52.661	ug/l	98
38) Carbon Tetrachloride	7.10	117	973138m	50.002	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063056.D
 Acq On : 10 Jul 2019 14:07
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:05 AM

Quant Time: Jul 11 07:09:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	594281	52.172	ug/l	99
40) Benzene	7.45	78	1430151	55.057	ug/l	95
41) Methacrylonitrile	6.44	41	350837	51.410	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	722145	50.962	ug/l	100
43) Isopropyl Acetate	9.24	43	390957	57.627	ug/l #	99
44) Trichloroethene	8.53	130	551719	54.177	ug/l	95
45) 1,2-Dichloropropane	8.94	63	360389	55.796	ug/l	93
46) Dibromomethane	9.05	93	291429	52.525	ug/l	94
47) Bromodichloromethane	9.37	83	767322	53.250	ug/l	98
48) Methyl methacrylate	9.11	41	263472	54.649	ug/l	97
49) 1,4-Dioxane	9.07	88	46272	1153.624	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1365435	283.873	ug/l	98
52) Toluene	10.50	92	992326	56.831	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	638204	54.112	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	713170	55.633	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	335404	55.911	ug/l	92
56) Ethyl methacrylate	11.04	69	356356	55.585	ug/l	91
57) 1,3-Dichloropropane	11.41	76	508916	55.406	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	917123	278.652	ug/l	96
59) 2-Hexanone	11.52	43	980439	286.205	ug/l	98
60) Dibromochloromethane	11.68	129	622202	55.684	ug/l	93
61) 1,2-Dibromoethane	11.80	107	390902	55.173	ug/l	95
64) Tetrachloroethene	11.25	164	491134	51.106	ug/l	96
65) Chlorobenzene	12.39	112	1156443	53.365	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	543510	53.630	ug/l	95
67) Ethyl Benzene	12.52	91	2041383	52.468	ug/l	99
68) m/p-Xylenes	12.67	106	1418826	104.703	ug/l	97
69) o-Xylene	13.05	106	661539	53.403	ug/l	96
70) Styrene	13.07	104	1162354	53.421	ug/l	93
71) Bromoform	13.23	173	367228	52.888	ug/l #	98
73) Isopropylbenzene	13.40	105	2154776	57.349	ug/l	98
74) N-amyl acetate	13.27	43	566605	62.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	372436	60.836	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	381503	56.394	ug/l	100
77) Bromobenzene	13.67	156	580523	57.443	ug/l	92
78) n-propylbenzene	13.77	91	2458379	56.215	ug/l	95
79) 2-Chlorotoluene	13.84	91	1381717	55.287	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	1832027	58.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	95187	53.687	ug/l	97
82) 4-Chlorotoluene	13.95	91	1772071	58.896	ug/l	97
83) tert-Butylbenzene	14.18	119	1981603	56.330	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1817963	56.201	ug/l	97
85) sec-Butylbenzene	14.37	105	2200317	57.548	ug/l	99
86) p-Isopropyltoluene	14.49	119	1890125	54.037	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1007966	55.640	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	995024	54.685	ug/l	98
89) n-Butylbenzene	14.79	91	1781070	54.403	ug/l	99
90) Hexachloroethane	15.01	117	545412	57.994	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	841035	54.262	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	69745	58.370	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
Data File : VD063056.D
Acq On : 10 Jul 2019 14:07
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:05 AM

Quant Time: Jul 11 07:09:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	690506	57.030	ug/l	99
94) Hexachlorobutadiene	16.03	225	499692	54.022	ug/l	97
95) Naphthalene	16.12	128	1010732	59.559	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	501776	53.938	ug/l	95

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

