

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062094.D
 Acq On : 30 Apr 2019 19:26
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:35 AM

Quant Time: May 01 01:57:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	536536	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.18	114	830702	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	738443	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	338516	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	217254	51.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	6.89	113	316990	55.18	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.38	98	658801	48.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	13.54	95	309293	56.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	236992	49.467	ug/l	99
3) Chloromethane	1.74	50	181618	44.603	ug/l	95
4) Vinyl Chloride	1.83	62	179942	48.756	ug/l	98
5) Bromomethane	2.14	94	50251	52.257	ug/l	98
6) Chloroethane	2.25	64	67961	50.942	ug/l	90
7) Trichlorofluoromethane	2.51	101	277216	49.679	ug/l	99
8) Diethyl Ether	2.85	74	78676	52.606	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.12	101	277282	53.942	ug/l	96
10) Methyl Iodide	3.28	142	381351	48.836	ug/l	99
11) Tert butyl alcohol	4.03	59	65230	274.932	ug/l	99
12) 1,1-Dichloroethene	3.10	96	227603	52.043	ug/l	99
13) Acrolein	3.02	56	64790	263.190	ug/l	99
14) Allyl chloride	3.60	41	302076	50.584	ug/l	97
15) Acrylonitrile	4.16	53	192405	261.889	ug/l	97
16) Acetone	3.19	43	259012	258.327	ug/l	95
17) Carbon Disulfide	3.35	76	594645	47.053	ug/l	100
18) Methyl Acetate	3.61	43	100761	55.657	ug/l	99
19) Methyl tert-butyl Ether	4.21	73	438054	50.483	ug/l	95
20) Methylene Chloride	3.78	84	254669	52.322	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	236188	47.077	ug/l	98
22) Diisopropyl ether	5.08	45	655136	46.988	ug/l	99
23) Vinyl Acetate	5.01	43	1803710	248.418	ug/l	98
24) 1,1-Dichloroethane	4.95	63	398275	47.262	ug/l	100
25) 2-Butanone	6.03	43	304362	250.372	ug/l	99
26) 2,2-Dichloropropane	5.99	77	362104	49.255	ug/l	99
27) cis-1,2-Dichloroethene	6.00	96	285209	49.971	ug/l	98
28) Bromochloromethane	6.40	49	163005	50.554	ug/l	98
29) Tetrahydrofuran	6.42	42	142254	237.495	ug/l	96
30) Chloroform	6.63	83	492992	51.506	ug/l	96
31) Cyclohexane	6.92	56	300578	48.055	ug/l	93
32) 1,1,1-Trichloroethane	6.84	97	391656	47.028	ug/l	100
36) 1,1-Dichloropropene	7.11	75	327266	50.566	ug/l	99
37) Ethyl Acetate	6.15	43	146412	53.087	ug/l	96
38) Carbon Tetrachloride	7.08	117	423240m	51.607	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062094.D
 Acq On : 30 Apr 2019 19:26
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:35 AM

Quant Time: May 01 01:57:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	316776	49.609	ug/l	98
40) Benzene	7.43	78	774039	48.309	ug/l	96
41) Methacrylonitrile	6.40	41	169341	52.624	ug/l #	94
42) 1,2-Dichloroethane	7.54	62	287775	52.897	ug/l	99
43) Isopropyl Acetate	9.21	43	207570	51.509	ug/l	99
44) Trichloroethene	8.51	130	321121	51.696	ug/l	99
45) 1,2-Dichloropropane	8.91	63	213617	52.553	ug/l	99
46) Dibromomethane	9.03	93	150070	51.309	ug/l	96
47) Bromodichloromethane	9.35	83	364553	52.750	ug/l	99
48) Methyl methacrylate	9.09	41	125537	54.600	ug/l	95
49) 1,4-Dioxane	9.05	88	28475	1148.726	ug/l	94
51) 4-Methyl-2-Pentanone	10.27	43	725117	294.231	ug/l	99
52) Toluene	10.48	92	508877	49.810	ug/l	98
53) t-1,3-Dichloropropene	10.88	75	311512	53.701	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	366020	51.878	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	175467	51.159	ug/l	98
56) Ethyl methacrylate	11.02	69	186532	49.105	ug/l	98
57) 1,3-Dichloropropane	11.38	76	272920	51.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.83	63	459807	260.351	ug/l	99
59) 2-Hexanone	11.51	43	465393	251.742	ug/l	99
60) Dibromochloromethane	11.66	129	310091	54.641	ug/l	100
61) 1,2-Dibromoethane	11.78	107	222853	54.774	ug/l	100
64) Tetrachloroethene	11.24	164	232143	44.069	ug/l	95
65) Chlorobenzene	12.38	112	655604	46.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	265934	44.929	ug/l	95
67) Ethyl Benzene	12.51	91	983879	43.199	ug/l	99
68) m/p-Xylenes	12.65	106	722968	87.828	ug/l	99
69) o-Xylene	13.04	106	324635	43.102	ug/l	98
70) Styrene	13.06	104	606539	46.639	ug/l	99
71) Bromoform	13.21	173	165549	49.059	ug/l	99
73) Isopropylbenzene	13.38	105	1000714	44.316	ug/l	99
74) N-amyl acetate	13.25	43	265085	45.582	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	203319	45.947	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	202601	47.131	ug/l	100
77) Bromobenzene	13.66	156	289035	44.619	ug/l	92
78) n-propylbenzene	13.76	91	1127247	43.607	ug/l	98
79) 2-Chlorotoluene	13.82	91	667495	42.630	ug/l	95
80) 1,3,5-Trimethylbenzene	13.91	105	843598	46.852	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	60405	46.371	ug/l	97
82) 4-Chlorotoluene	13.93	91	788867	45.748	ug/l	97
83) tert-Butylbenzene	14.18	119	966719	46.347	ug/l	95
84) 1,2,4-Trimethylbenzene	14.22	105	788289	45.851	ug/l	97
85) sec-Butylbenzene	14.36	105	1058582	46.970	ug/l	96
86) p-Isopropyltoluene	14.47	119	876024	43.431	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	504278	44.453	ug/l	96
88) 1,4-Dichlorobenzene	14.52	146	500974	47.223	ug/l	96
89) n-Butylbenzene	14.78	91	829847	45.826	ug/l	95
90) Hexachloroethane	15.00	117	254853	46.726	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	437991	46.807	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	32855	50.240	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
Data File : VD062094.D
Acq On : 30 Apr 2019 19:26
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/2/2019 7:23:35 AM

Quant Time: May 01 01:57:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	264943	52.475	ug/l	97
94) Hexachlorobutadiene	16.03	225	187920	50.295	ug/l	99
95) Naphthalene	16.11	128	434655	53.319	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	174052	60.758	ug/l	98

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

