

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066209.D
 Acq On : 13 Aug 2020 13:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:53 PM

Quant Time: Aug 14 03:16:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	466268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	416747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142102	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.91	113	147100	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.34	98	542717	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.63	95	193334	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124741	43.080	ug/l	100
3) Chloromethane	2.20	50	99639	44.236	ug/l	93
4) Vinyl Chloride	2.34	62	97737	49.012	ug/l	99
5) Bromomethane	2.77	94	69109	52.235	ug/l	100
6) Chloroethane	2.91	64	59484	48.594	ug/l #	89
7) Trichlorofluoromethane	3.27	101	258533	49.728	ug/l	97
8) Diethyl Ether	3.70	74	71862	48.988	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	153370	49.708	ug/l	98
10) Methyl Iodide	4.30	142	164129	57.298	ug/l	98
11) Tert butyl alcohol	5.21	59	51323	231.616	ug/l	97
12) 1,1-Dichloroethene	4.06	96	142958	49.116	ug/l	99
13) Acrolein	3.92	56	47522	203.616	ug/l	98
14) Allyl chloride	4.71	41	216553	49.110	ug/l	97
15) Acrylonitrile	5.42	53	152075	246.012	ug/l	97
16) Acetone	4.16	43	162928	292.853	ug/l	96
17) Carbon Disulfide	4.40	76	413372	44.667	ug/l	97
18) Methyl Acetate	4.71	43	66868	47.319	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	341633	51.209	ug/l	100
20) Methylene Chloride	4.96	84	176694	55.848	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	161414	48.275	ug/l	94
22) Diisopropyl ether	6.36	45	437978	50.228	ug/l	99
23) Vinyl Acetate	6.30	43	1295142	253.529	ug/l	100
24) 1,1-Dichloroethane	6.26	63	268261	49.711	ug/l	97
25) 2-Butanone	7.21	43	206265	252.070	ug/l	96
26) 2,2-Dichloropropane	7.20	77	257720	53.285	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	177053	50.485	ug/l	99
28) Bromochloromethane	7.54	49	95791	50.540	ug/l	99
29) Tetrahydrofuran	7.56	42	125912	248.357	ug/l	99
30) Chloroform	7.71	83	285334	50.355	ug/l	93
31) Cyclohexane	7.98	56	238742	46.476	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	277353	52.204	ug/l	100
36) 1,1-Dichloropropene	8.11	75	226750	51.752	ug/l	99
37) Ethyl Acetate	7.29	43	87467	50.384	ug/l	98
38) Carbon Tetrachloride	8.09	117	259756	53.163	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066209.D
 Acq On : 13 Aug 2020 13:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:53 PM

Quant Time: Aug 14 03:16:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	273383	51.615	ug/l	98
40) Benzene	8.35	78	613027	50.436	ug/l	100
41) Methacrylonitrile	7.52	41	51392	50.349	ug/l	98
42) 1,2-Dichloroethane	8.42	62	185296	51.894	ug/l	98
43) Isopropyl Acetate	8.45	43	176447	51.586	ug/l	99
44) Trichloroethene	9.11	130	190731	52.075	ug/l	98
45) 1,2-Dichloropropane	9.38	63	151743	51.045	ug/l	95
46) Dibromomethane	9.47	93	84549	51.635	ug/l	99
47) Bromodichloromethane	9.66	83	225531	52.113	ug/l	93
48) Methyl methacrylate	9.46	41	90287	51.694	ug/l	95
49) 1,4-Dioxane	9.46	88	20897	993.345	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	455890	259.479	ug/l	100
52) Toluene	10.40	92	410971	51.384	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	214821	52.305	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	257880	53.592	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	119590	50.720	ug/l	95
56) Ethyl methacrylate	10.66	69	151072	53.336	ug/l	96
57) 1,3-Dichloropropane	10.94	76	200537	51.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	348855	273.811	ug/l	100
59) 2-Hexanone	10.98	43	324906	263.497	ug/l	98
60) Dibromochloromethane	11.14	129	166181	51.051	ug/l	99
61) 1,2-Dibromoethane	11.24	107	117062	51.625	ug/l	99
64) Tetrachloroethene	10.87	164	162561	50.798	ug/l	95
65) Chlorobenzene	11.67	112	446914	52.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	176042	53.182	ug/l	99
67) Ethyl Benzene	11.74	91	806285	54.997	ug/l	96
68) m/p-Xylenes	11.86	106	609070	107.229	ug/l	97
69) o-Xylene	12.18	106	280659	54.317	ug/l	99
70) Styrene	12.20	104	488422	53.937	ug/l	99
71) Bromoform	12.36	173	103171	52.606	ug/l #	99
73) Isopropylbenzene	12.48	105	798666	55.197	ug/l	100
74) N-amyl acetate	12.29	43	170010	53.357	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	130029	52.701	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	85744m	47.434	ug/l	
77) Bromobenzene	12.76	156	194820	52.304	ug/l	99
78) n-propylbenzene	12.82	91	919270	54.654	ug/l	100
79) 2-Chlorotoluene	12.91	91	516579	53.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	662962	54.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	44888	54.893	ug/l	99
82) 4-Chlorotoluene	13.01	91	542229	53.395	ug/l	100
83) tert-Butylbenzene	13.23	119	575531	54.081	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	662337	54.692	ug/l	100
85) sec-Butylbenzene	13.41	105	795469	55.363	ug/l	100
86) p-Isopropyltoluene	13.52	119	747017	55.433	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	366452	52.347	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	366592	52.509	ug/l	99
89) n-Butylbenzene	13.85	91	668636	55.378	ug/l	98
90) Hexachloroethane	14.11	117	144922	53.921	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	324892	52.477	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21960	51.786	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
Data File : VD066209.D
Acq On : 13 Aug 2020 13:45
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
8/14/2020 5:11:53 PM

Quant Time: Aug 14 03:16:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	255431	55.986	ug/l	98
94) Hexachlorobutadiene	15.27	225	149785	55.752	ug/l	98
95) Naphthalene	15.41	128	416497	56.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	216329	53.712	ug/l	98

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

