

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066732.D
 Acq On : 16 Sep 2020 21:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:05:07 PM

Quant Time: Sep 17 01:40:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	379739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	592589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210529	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.91	113	202454	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.34	98	723887	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.63	95	250742	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	126261	44.367	ug/l	97
3) Chloromethane	2.21	50	182595	44.187	ug/l	97
4) Vinyl Chloride	2.35	62	185053	42.789	ug/l	95
5) Bromomethane	2.77	94	138899	45.274	ug/l	96
6) Chloroethane	2.92	64	120982	44.905	ug/l	90
7) Trichlorofluoromethane	3.27	101	332154	44.465	ug/l	96
8) Diethyl Ether	3.71	74	94078	50.295	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185128	45.096	ug/l	100
10) Methyl Iodide	4.30	142	172838	44.374	ug/l	99
11) Tert butyl alcohol	5.21	59	66043	251.457	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	178495	46.976	ug/l	96
13) Acrolein	3.92	56	69851	244.448	ug/l	93
14) Allyl chloride	4.72	41	296597	48.605	ug/l	98
15) Acrylonitrile	5.42	53	213646	260.729	ug/l	100
16) Acetone	4.16	43	177089	214.638	ug/l	94
17) Carbon Disulfide	4.41	76	576292	48.266	ug/l #	94
18) Methyl Acetate	4.71	43	94589	54.001	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	448043	52.939	ug/l	99
20) Methylene Chloride	4.97	84	227433	51.502	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	217951	49.233	ug/l	98
22) Diisopropyl ether	6.36	45	652059	52.589	ug/l	97
23) Vinyl Acetate	6.30	43	1884778	273.276	ug/l	98
24) 1,1-Dichloroethane	6.26	63	389682	49.527	ug/l	97
25) 2-Butanone	7.21	43	269772	251.103	ug/l	98
26) 2,2-Dichloropropane	7.20	77	318779	43.814	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242658	50.105	ug/l	99
28) Bromochloromethane	7.54	49	158904	54.070	ug/l	98
29) Tetrahydrofuran	7.56	42	178018	270.823	ug/l	97
30) Chloroform	7.70	83	420453	50.210	ug/l	100
31) Cyclohexane	7.98	56	324883	45.395	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	363478	47.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	304193	46.229	ug/l	99
37) Ethyl Acetate	7.29	43	123597	49.615	ug/l	98
38) Carbon Tetrachloride	8.09	117	323322	46.269	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066732.D
 Acq On : 16 Sep 2020 21:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:05:07 PM

Quant Time: Sep 17 01:40:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	349110	46.383	ug/l	99
40) Benzene	8.34	78	875489	49.179	ug/l	98
41) Methacrylonitrile	7.53	41	69291m	52.540	ug/l	
42) 1,2-Dichloroethane	8.42	62	270914	49.121	ug/l	99
43) Isopropyl Acetate	8.45	43	242039	51.620	ug/l	99
44) Trichloroethene	9.11	130	233960	49.153	ug/l	98
45) 1,2-Dichloropropane	9.38	63	224190	50.941	ug/l	98
46) Dibromomethane	9.47	93	124550	51.502	ug/l	100
47) Bromodichloromethane	9.66	83	328056	49.782	ug/l	97
48) Methyl methacrylate	9.45	41	116777	48.964	ug/l	91
49) 1,4-Dioxane	9.46	88	26992	1041.941	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	638908	264.673	ug/l	100
52) Toluene	10.40	92	576028	50.510	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	301694	51.248	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	355148	50.792	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	167560	52.550	ug/l	95
56) Ethyl methacrylate	10.66	69	200098	55.301	ug/l	98
57) 1,3-Dichloropropane	10.94	76	285921	51.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	411818	259.141	ug/l	99
59) 2-Hexanone	10.98	43	428569	264.227	ug/l	99
60) Dibromochloromethane	11.14	129	212012	51.030	ug/l	97
61) 1,2-Dibromoethane	11.24	107	159561	52.167	ug/l	99
64) Tetrachloroethene	10.87	164	187473	46.344	ug/l	92
65) Chlorobenzene	11.67	112	589456	48.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	222971	49.255	ug/l	98
67) Ethyl Benzene	11.74	91	1091916	49.134	ug/l	98
68) m/p-Xylenes	11.85	106	832722	99.142	ug/l	98
69) o-Xylene	12.18	106	375156	50.544	ug/l	100
70) Styrene	12.19	104	668565	51.177	ug/l	99
71) Bromoform	12.36	173	114795	50.530	ug/l	# 99
73) Isopropylbenzene	12.48	105	1012108	49.535	ug/l	100
74) N-amyl acetate	12.28	43	223167	51.778	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	176320	50.784	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	130906m	55.877	ug/l	
77) Bromobenzene	12.76	156	229453	48.724	ug/l	100
78) n-propylbenzene	12.82	91	1208990	48.540	ug/l	98
79) 2-Chlorotoluene	12.91	91	688794	48.907	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	862136	49.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	52057	47.956	ug/l	96
82) 4-Chlorotoluene	13.00	91	732972	49.220	ug/l	100
83) tert-Butylbenzene	13.23	119	710167	49.875	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	865971	50.157	ug/l	100
85) sec-Butylbenzene	13.40	105	987972	48.398	ug/l	100
86) p-Isopropyltoluene	13.52	119	915740	49.344	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	443692	49.109	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	435554	48.412	ug/l	99
89) n-Butylbenzene	13.84	91	851140	48.232	ug/l	99
90) Hexachloroethane	14.11	117	186784	48.994	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	380348	49.131	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28031	49.945	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
Data File : VD066732.D
Acq On : 16 Sep 2020 21:00
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:05:07 PM

Quant Time: Sep 17 01:40:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	235983	50.399	ug/l	98
94) Hexachlorobutadiene	15.27	225	133382	47.281	ug/l	98
95) Naphthalene	15.41	128	445781	54.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	210416	51.449	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
Data File : VD066732.D
Acq On : 16 Sep 2020 21:00
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:05:07 PM

Quant Time: Sep 17 01:40:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

