

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065160.D
 Acq On : 12 Feb 2020 11:58
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:59 AM

Quant Time: Feb 13 06:49:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	625161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202365	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	7.92	113	203012	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.34	98	792353	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.64	95	250896	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77391	20.308	ug/l	96
3) Chloromethane	2.21	50	103381	23.046	ug/l	98
4) Vinyl Chloride	2.35	62	103613	21.840	ug/l	96
5) Bromomethane	2.76	94	61541	20.006	ug/l	93
6) Chloroethane	2.92	64	64720	21.992	ug/l	100
7) Trichlorofluoromethane	3.27	101	152779	22.129	ug/l	98
8) Diethyl Ether	3.70	74	41533	20.955	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91812	21.753	ug/l	99
10) Methyl Iodide	4.29	142	86022	17.856	ug/l	99
11) Tert butyl alcohol	5.26	59	27312	114.853	ug/l	95
12) 1,1-Dichloroethene	4.06	96	85588	21.173	ug/l	96
13) Acrolein	3.92	56	26035	89.012	ug/l	97
14) Allyl chloride	4.71	41	137852	20.519	ug/l	98
15) Acrylonitrile	5.43	53	95422	110.121	ug/l	99
16) Acetone	4.17	43	97322	100.014	ug/l	98
17) Carbon Disulfide	4.40	76	274685	21.164	ug/l	100
18) Methyl Acetate	4.72	43	49355	24.276	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	179889	20.124	ug/l	100
20) Methylene Chloride	4.96	84	102934	21.802	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	95674	20.920	ug/l	97
22) Diisopropyl ether	6.37	45	272316	21.489	ug/l	97
23) Vinyl Acetate	6.31	43	727961	103.064	ug/l	100
24) 1,1-Dichloroethane	6.27	63	168910	22.022	ug/l	97
25) 2-Butanone	7.23	43	123845	106.695	ug/l	99
26) 2,2-Dichloropropane	7.21	77	145557	21.172	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	102662	21.130	ug/l	98
28) Bromochloromethane	7.55	49	58010	19.951	ug/l	100
29) Tetrahydrofuran	7.57	42	75939	108.184	ug/l	98
30) Chloroform	7.71	83	169820	22.236	ug/l	97
31) Cyclohexane	7.99	56	157657	20.362	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	153068	21.516	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136871	21.303	ug/l	99
37) Ethyl Acetate	7.30	43	55188	21.025	ug/l	99
38) Carbon Tetrachloride	8.10	117	140064	21.344	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065160.D
 Acq On : 12 Feb 2020 11:58
 Operator : VA/SY
 Sample : VD0212SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:59 AM

Quant Time: Feb 13 06:49:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157191	19.821	ug/l	99
40) Benzene	8.35	78	377632	21.284	ug/l	98
41) Methacrylonitrile	7.53	41	25840m	17.869	ug/l	
42) 1,2-Dichloroethane	8.43	62	106530	21.072	ug/l	97
43) Isopropyl Acetate	8.46	43	102865	20.486	ug/l	99
44) Trichloroethene	9.11	130	103986	20.419	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94127	22.127	ug/l	94
46) Dibromomethane	9.48	93	47969	21.459	ug/l	100
47) Bromodichloromethane	9.67	83	130484	22.154	ug/l	97
48) Methyl methacrylate	9.46	41	48369	20.019	ug/l	98
49) 1,4-Dioxane	9.46	88	11248	424.836	ug/l	89
51) 4-Methyl-2-Pentanone	10.24	43	262366	106.157	ug/l	100
52) Toluene	10.41	92	241461	21.323	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	118262	20.622	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	143055	20.858	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	68539	22.354	ug/l	98
56) Ethyl methacrylate	10.67	69	80211	20.676	ug/l	94
57) 1,3-Dichloropropane	10.95	76	116558	21.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	132899	94.180	ug/l	99
59) 2-Hexanone	10.99	43	185717	106.087	ug/l	100
60) Dibromochloromethane	11.14	129	88721	22.340	ug/l	97
61) 1,2-Dibromoethane	11.25	107	66027	22.039	ug/l	99
64) Tetrachloroethene	10.88	164	88224	19.640	ug/l	97
65) Chlorobenzene	11.68	112	251213	20.776	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	93667	20.989	ug/l	99
67) Ethyl Benzene	11.75	91	442781	20.156	ug/l	97
68) m/p-Xylenes	11.86	106	342345	40.830	ug/l	99
69) o-Xylene	12.18	106	150226	19.896	ug/l	100
70) Styrene	12.20	104	266372	20.298	ug/l	99
71) Bromoform	12.37	173	51891	21.603	ug/l #	99
73) Isopropylbenzene	12.48	105	410199	19.776	ug/l	99
74) N-amyl acetate	12.30	43	89135	19.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72489	22.206	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39126m	17.101	ug/l	
77) Bromobenzene	12.77	156	100789	20.168	ug/l	98
78) n-propylbenzene	12.83	91	498359	20.516	ug/l	100
79) 2-Chlorotoluene	12.91	91	277647	20.506	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	343131	20.221	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	25091	21.932	ug/l	91
82) 4-Chlorotoluene	13.01	91	294244	20.692	ug/l	100
83) tert-Butylbenzene	13.23	119	284889	19.460	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	346120	20.545	ug/l	100
85) sec-Butylbenzene	13.41	105	411038	20.557	ug/l	99
86) p-Isopropyltoluene	13.53	119	379592	20.432	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	192785	20.604	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197146	21.170	ug/l	98
89) n-Butylbenzene	13.86	91	354023	20.646	ug/l	99
90) Hexachloroethane	14.12	117	77703	22.088	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	169005	21.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11806	22.154	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
Data File : VD065160.D
Acq On : 12 Feb 2020 11:58
Operator : VA/SY
Sample : VD0212SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0212SBSD01

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:59 AM

Quant Time: Feb 13 06:49:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114653	20.016	ug/l	98
94) Hexachlorobutadiene	15.28	225	73506	20.870	ug/l	100
95) Naphthalene	15.41	128	179503	18.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101375	20.690	ug/l	98

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

