

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059898.D
 Acq On : 23 Aug 2018 19:55
 Operator : JC/SY
 Sample : J4559-11MSD
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 RA-081718-WSW-20-053

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:48 PM

Quant Time: Aug 24 07:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	522981	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	768992	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	577362	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	215642	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	303076	68.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	137.52%	
35) Dibromofluoromethane	6.30	113	343241	56.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	113.86%	
50) Toluene-d8	9.44	98	774504	46.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.42	95	278117	40.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	81.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	232660	49.77	ug/l	98
3) Chloromethane	1.73	50	224280	52.96	ug/l	94
4) Vinyl Chloride	1.83	62	177942	53.59	ug/l	99
5) Bromomethane	2.13	94	41835	72.97	ug/l	87
6) Chloroethane	2.24	64	66740	71.20	ug/l	94
7) Trichlorofluoromethane	2.48	101	195810	50.97	ug/l	94
8) Diethyl Ether	2.80	74	62025	71.97	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.06	101	97753	41.55	ug/l	98
10) Methyl Iodide	3.22	142	127039	50.64	ug/l	97
11) Tert butyl alcohol	3.94	59	138350	411.35	ug/l	99
12) 1,1-Dichloroethene	3.04	96	97196	53.07	ug/l	96
13) Acrolein	2.95	56	44114	302.41	ug/l	89
14) Allyl chloride	3.50	41	252628	60.97	ug/l	100
15) Acrylonitrile	4.06	53	511365	406.01	ug/l	98
16) Acetone	3.13	43	365124	454.66	ug/l	97
17) Carbon Disulfide	3.29	76	273866	48.17	ug/l	100
18) Methyl Acetate	3.52	43	325173	193.96	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	766274	73.96	ug/l	99
20) Methylene Chloride	3.69	84	364369	69.43	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	269036	53.31	ug/l	96
22) Diisopropyl ether	4.82	45	1398389	66.17	ug/l	94
23) Vinyl Acetate	4.77	43	2631895	222.80	ug/l	99
24) 1,1-Dichloroethane	4.72	63	541387	59.30	ug/l	100
25) 2-Butanone	5.60	43	1045192	439.44	ug/l	98
26) 2,2-Dichloropropane	5.56	77	385886	50.56	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	323892	58.62	ug/l	99
28) Bromochloromethane	5.91	49	299668	68.49	ug/l	94
29) Tetrahydrofuran	5.94	42	467412	412.79	ug/l	99
30) Chloroform	6.08	83	572235	61.68	ug/l	97
31) Cyclohexane	6.34	56	223640	26.65	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	398805	50.65	ug/l	99
36) 1,1-Dichloropropene	6.51	75	310693	44.57	ug/l	98
37) Ethyl Acetate	5.68	43	316688	58.38	ug/l	97
38) Carbon Tetrachloride	6.48	117	292074	41.52	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059898.D
 Acq On : 23 Aug 2018 19:55
 Operator : JC/SY
 Sample : J4559-11MSD
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 RA-081718-WSW-20-053

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:48 PM

Quant Time: Aug 24 07:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	112958	15.00	ug/l	98
40) Benzene	6.77	78	994950	54.89	ug/l	99
41) Methacrylonitrile	5.90	41	183651m	67.21	ug/l	
42) 1,2-Dichloroethane	6.88	62	383890	65.97	ug/l	98
43) Isopropyl Acetate	8.34	43	366890	51.99	ug/l #	99
44) Trichloroethene	7.73	130	248178	46.50	ug/l	97
45) 1,2-Dichloropropane	8.09	63	293011	57.83	ug/l	97
46) Dibromomethane	8.20	93	213057	65.40	ug/l	99
47) Bromodichloromethane	8.47	83	439902	59.65	ug/l	100
48) Methyl methacrylate	8.23	41	313550	76.22	ug/l	98
49) 1,4-Dioxane	8.21	88	59881	1630.41	ug/l #	89
51) 4-Methyl-2-Pentanone	9.33	43	2174742	413.35	ug/l	97
52) Toluene	9.54	92	565271	48.63	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	420902	61.70	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	476602	60.26	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	258924	60.94	ug/l	96
56) Ethyl methacrylate	10.02	69	310732	63.37	ug/l	97
57) 1,3-Dichloropropane	10.37	76	405888	66.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	882927	375.36	ug/l	99
59) 2-Hexanone	10.48	43	1565933	403.53	ug/l	99
60) Dibromochloromethane	10.63	129	326032	61.05	ug/l	98
61) 1,2-Dibromoethane	10.75	107	272930	63.53	ug/l	100
64) Tetrachloroethene	10.24	164	179378	40.18	ug/l	97
65) Chlorobenzene	11.31	112	593561	51.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	249986	59.64	ug/l	98
67) Ethyl Benzene	11.42	91	884362	45.82	ug/l	98
68) m/p-Xylenes	11.55	106	636165	90.52	ug/l	95
69) o-Xylene	11.93	106	313005	45.54	ug/l	97
70) Styrene	11.95	104	584391	49.10	ug/l	96
71) Bromoform	12.11	173	239885	66.14	ug/l	98
73) Isopropylbenzene	12.27	105	614334	44.63	ug/l	99
74) N-amyl acetate	12.13	43	374252	62.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	332585	104.45	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	341610	101.93	ug/l	99
77) Bromobenzene	12.54	156	266329	69.78	ug/l	84
78) n-propylbenzene	12.63	91	730469	41.91	ug/l	95
79) 2-Chlorotoluene	12.70	91	492312	49.94	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	474813	43.39	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.33	75	99142	95.10	ug/l	95
82) 4-Chlorotoluene	12.80	91	572733	50.94	ug/l	96
83) tert-Butylbenzene	13.04	119	466843	37.45	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	565238	49.55	ug/l	99
85) sec-Butylbenzene	13.22	105	376521	25.68	ug/l	98
86) p-Isopropyltoluene	13.34	119	316007	26.50	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	313153	45.96	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	337243	49.61	ug/l	99
89) n-Butylbenzene	13.64	91	282383	22.12	ug/l	96
90) Hexachloroethane	13.86	117	81507	25.46	ug/l	73
91) 1,2-Dichlorobenzene	13.65	146	323166	55.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	46079	94.13	ug/l	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
Data File : VD059898.D
Acq On : 23 Aug 2018 19:55
Operator : JC/SY
Sample : J4559-11MSD
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Manual Integrations
APPROVED

MMDadoda
8/24/2018 3:09:48 PM

Quant Time: Aug 24 07:09:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	121153	24.42	ug/l	98
94) Hexachlorobutadiene	14.87	225	31882	9.80	ug/l	96
95) Naphthalene	14.96	128	426715	56.29	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	110746	26.10	ug/l	96

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

