

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059893.D
 Acq On : 23 Aug 2018 17:33
 Operator : JC/SY
 Sample : J4559-10MS
 Misc : 5.14g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:31 PM

Quant Time: Aug 24 07:02:56 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	923366	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1308273	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	897215	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	330283	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	413738	53.16	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	6.31	113	528322	51.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	9.45	98	1258198	44.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.40%	
62) 4-Bromofluorobenzene	12.42	95	403731	34.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	69.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	408195	49.45	ug/l	99
3) Chloromethane	1.74	50	374871	50.13	ug/l	97
4) Vinyl Chloride	1.83	62	293033	49.98	ug/l	100
5) Bromomethane	2.13	94	42289	41.78	ug/l	99
6) Chloroethane	2.23	64	96651	51.62	ug/l	99
7) Trichlorofluoromethane	2.49	101	346672	51.11	ug/l	98
8) Diethyl Ether	2.80	74	90443	59.44	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.06	101	189802	45.69	ug/l	94
10) Methyl Iodide	3.22	142	182512	41.85	ug/l	100
11) Tert butyl alcohol	3.96	59	183642	309.25	ug/l	99
12) 1,1-Dichloroethene	3.05	96	163713	50.63	ug/l	98
13) Acrolein	2.97	56	1301	5.05	ug/l	86
14) Allyl chloride	3.51	41	328845	44.95	ug/l	97
15) Acrylonitrile	4.06	53	633539	284.90	ug/l	99
16) Acetone	3.14	43	407435	287.35	ug/l	100
17) Carbon Disulfide	3.29	76	359472	35.81	ug/l	98
18) Methyl Acetate	3.53	43	547554	184.99	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	1122098	61.34	ug/l	98
20) Methylene Chloride	3.69	84	551667	58.96	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	420479	47.19	ug/l	99
22) Diisopropyl ether	4.83	45	2248201	60.26	ug/l #	81
23) Vinyl Acetate	4.83	43	996707	47.79	ug/l #	81
24) 1,1-Dichloroethane	4.73	63	922096	57.21	ug/l	99
25) 2-Butanone	5.61	43	1351720	321.89	ug/l	98
26) 2,2-Dichloropropane	5.57	77	509939	37.85	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	504378	51.70	ug/l	99
28) Bromochloromethane	5.90	49	422240	54.66	ug/l	99
29) Tetrahydrofuran	5.93	42	628650	314.45	ug/l	99
30) Chloroform	6.08	83	917004	55.98	ug/l	99
31) Cyclohexane	6.35	56	478235	32.27	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	713977	51.36	ug/l	98
36) 1,1-Dichloropropene	6.50	75	519064	43.77	ug/l	97
37) Ethyl Acetate	5.61	43	1361822	147.57	ug/l #	84
38) Carbon Tetrachloride	6.49	117	545713	45.60	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	283817	22.15	ug/l	100
40) Benzene	6.78	78	1614079	52.34	ug/l	100
41) Methacrylonitrile	5.91	41	254424m	54.73	ug/l	
42) 1,2-Dichloroethane	6.88	62	537928	54.34	ug/l	99
43) Isopropyl Acetate	8.34	43	75979	6.33	ug/l #	95
44) Trichloroethene	7.73	130	423731	46.67	ug/l	98
45) 1,2-Dichloropropane	8.09	63	461106	53.50	ug/l	99
46) Dibromomethane	8.21	93	287979	51.96	ug/l	94
47) Bromodichloromethane	8.48	83	662434	52.80	ug/l	99
48) Methyl methacrylate	8.24	41	497919	71.14	ug/l	98
49) 1,4-Dioxane	8.22	88	79335	1269.68	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	2726800	304.64	ug/l	98
52) Toluene	9.54	92	914350	46.24	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	501453	43.21	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	604908	44.96	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	370128	51.21	ug/l	99
56) Ethyl methacrylate	10.02	69	181289	21.73	ug/l	93
57) 1,3-Dichloropropane	10.37	76	552595	52.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1025214	256.19	ug/l	95
59) 2-Hexanone	10.48	43	1744560	264.25	ug/l	97
60) Dibromochloromethane	10.63	129	467230	51.43	ug/l	97
61) 1,2-Dibromoethane	10.76	107	363724	49.77	ug/l	99
64) Tetrachloroethene	10.24	164	457821	65.99	ug/l	98
65) Chlorobenzene	11.31	112	902703	50.63	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	388309	59.61	ug/l	99
67) Ethyl Benzene	11.43	91	1408368	46.95	ug/l	99
68) m/p-Xylenes	11.56	106	1034735	94.75	ug/l	100
69) o-Xylene	11.93	106	528785	49.51	ug/l	95
70) Styrene	11.95	104	834206	45.10	ug/l	95
71) Bromoform	12.11	173	331743	58.86	ug/l #	98
73) Isopropylbenzene	12.27	105	1082660	51.35	ug/l	100
74) N-amyl acetate	12.13	43	40524	4.39	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.56	83	433944	88.98	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	404450	78.79	ug/l	99
77) Bromobenzene	12.54	156	378768	64.80	ug/l	88
78) n-propylbenzene	12.64	91	1148993	43.04	ug/l	100
79) 2-Chlorotoluene	12.70	91	807981	53.52	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	743095	44.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	87513	54.81	ug/l	95
82) 4-Chlorotoluene	12.80	91	864558	50.20	ug/l	93
83) tert-Butylbenzene	13.04	119	737055	38.60	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	732135	41.91	ug/l	99
85) sec-Butylbenzene	13.22	105	686449	30.57	ug/l	99
86) p-Isopropyltoluene	13.33	119	560975	30.72	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	481712	46.16	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	505151	48.52	ug/l	98
89) n-Butylbenzene	13.64	91	439784	22.54	ug/l	96
90) Hexachloroethane	13.86	117	146618	29.90	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	475642	53.60	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	60178	80.26	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	177540	23.37	ug/l	95
94) Hexachlorobutadiene	14.88	225	50445	10.13	ug/l	98
95) Naphthalene	14.97	128	261318	22.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	160495	24.70	ug/l	93

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

