

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059908.D
 Acq On : 27 Aug 2018 11:14
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/28/2018 2:12:24 PM

Quant Time: Aug 27 14:54:46 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	1327748	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1807546	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1487429	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	803782	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	552814	49.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	6.30	113	720587	50.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	9.44	98	2019823	51.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.43	95	787614	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	558314	47.04	ug/l	96
3) Chloromethane	1.75	50	490820	45.65	ug/l	98
4) Vinyl Chloride	1.84	62	428494	50.83	ug/l	98
5) Bromomethane	2.13	94	64781	44.51	ug/l	95
6) Chloroethane	2.24	64	124278	44.35	ug/l	98
7) Trichlorofluoromethane	2.49	101	497959	51.06	ug/l	97
8) Diethyl Ether	2.81	74	111983	51.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	305015	51.07	ug/l	97
10) Methyl Iodide	3.22	142	309238	48.70	ug/l	99
11) Tert butyl alcohol	3.95	59	227427	266.34	ug/l	99
12) 1,1-Dichloroethene	3.06	96	238931	51.38	ug/l	98
13) Acrolein	2.97	56	81399	219.79	ug/l	95
14) Allyl chloride	3.51	41	534787	50.84	ug/l	96
15) Acrylonitrile	4.06	53	814955	254.86	ug/l	99
16) Acetone	3.15	43	607241	297.84	ug/l	99
17) Carbon Disulfide	3.29	76	736348	51.02	ug/l	100
18) Methyl Acetate	3.54	43	228077	53.59	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1324769	50.36	ug/l	98
20) Methylene Chloride	3.70	84	697268	51.34	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	629456	49.13	ug/l	99
22) Diisopropyl ether	4.84	45	2727677	50.84	ug/l	98
23) Vinyl Acetate	4.79	43	7774918	259.24	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1167873	50.39	ug/l	99
25) 2-Butanone	5.61	43	1707255	282.73	ug/l	97
26) 2,2-Dichloropropane	5.57	77	942824	48.66	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	703617	50.16	ug/l	99
28) Bromochloromethane	5.91	49	556215	50.07	ug/l	95
29) Tetrahydrofuran	5.94	42	751902	261.55	ug/l	99
30) Chloroform	6.09	83	1213496	51.52	ug/l	98
31) Cyclohexane	6.35	56	981217	46.05	ug/l	98
32) 1,1,1-Trichloroethane	6.27	97	1008045	50.42	ug/l	98
36) 1,1-Dichloropropene	6.51	75	823900	50.28	ug/l	98
37) Ethyl Acetate	5.68	43	646919	50.74	ug/l	99
38) Carbon Tetrachloride	6.48	117	819335	49.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	900255	50.85	µg/l	99
40) Benzene	6.78	78	2216241	52.02	µg/l	100
41) Methacrylonitrile	5.91	41	282815m	44.03	µg/l	
42) 1,2-Dichloroethane	6.88	62	706376	51.65	µg/l	98
43) Isopropyl Acetate	8.34	43	874423	52.71	µg/l	100
44) Trichloroethene	7.73	130	639661	50.99	µg/l	97
45) 1,2-Dichloropropane	8.10	63	627145	52.66	µg/l	97
46) Dibromomethane	8.20	93	397400	51.90	µg/l	96
47) Bromodichloromethane	8.48	83	903980	52.15	µg/l	100
48) Methyl methacrylate	8.23	41	501651	51.88	µg/l	99
49) 1,4-Dioxane	8.21	88	92962	1076.83	µg/l #	91
51) 4-Methyl-2-Pentanone	9.33	43	3408832	275.65	µg/l	100
52) Toluene	9.54	92	1401656	51.31	µg/l	98
53) t-1,3-Dichloropropene	9.91	75	839757	52.37	µg/l	100
54) cis-1,3-Dichloropropene	9.09	75	969804	52.17	µg/l	100
55) 1,1,2-Trichloroethane	10.17	97	488412	48.91	µg/l	97
56) Ethyl methacrylate	10.02	69	597942	51.88	µg/l	99
57) 1,3-Dichloropropane	10.38	76	755227	52.25	µg/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1454657	263.10	µg/l	98
59) 2-Hexanone	10.49	43	2573477	282.13	µg/l	99
60) Dibromochloromethane	10.63	129	664734	52.96	µg/l	99
61) 1,2-Dibromoethane	10.75	107	526464	52.14	µg/l	98
64) Tetrachloroethene	10.24	164	596084	51.83	µg/l	99
65) Chlorobenzene	11.30	112	1559240	52.75	µg/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	560174	51.87	µg/l	99
67) Ethyl Benzene	11.42	91	2530702	50.89	µg/l	98
68) m/p-Xylenes	11.56	106	1880356	103.86	µg/l	100
69) o-Xylene	11.93	106	944764	53.35	µg/l	99
70) Styrene	11.95	104	1604173	52.32	µg/l	100
71) Bromoform	12.11	173	504555	54.00	µg/l	98
73) Isopropylbenzene	12.27	105	2547112	49.64	µg/l	100
74) N-amyl acetate	12.13	43	1136207	50.57	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	620664	52.30	µg/l	99
76) 1,2,3-Trichloropropane	12.59	75	645297	51.65	µg/l	100
77) Bromobenzene	12.53	156	746097	52.45	µg/l	96
78) n-propylbenzene	12.63	91	3175809	48.88	µg/l	100
79) 2-Chlorotoluene	12.70	91	1837053	50.00	µg/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2012248	49.33	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	191920	49.39	µg/l	99
82) 4-Chlorotoluene	12.81	91	2055331	49.04	µg/l	99
83) tert-Butylbenzene	13.04	119	2346502	50.50	µg/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2141253	50.36	µg/l	98
85) sec-Butylbenzene	13.21	105	2756796	50.45	µg/l	99
86) p-Isopropyltoluene	13.34	119	2251607	50.66	µg/l	100
87) 1,3-Dichlorobenzene	13.31	146	1277785	50.31	µg/l	99
88) 1,4-Dichlorobenzene	13.39	146	1299890	51.30	µg/l	99
89) n-Butylbenzene	13.65	91	2215971	52.91	µg/l	100
90) Hexachloroethane	13.85	117	594684	49.83	µg/l	100
91) 1,2-Dichlorobenzene	13.66	146	1114904	51.63	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	92991	50.96	µg/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	948702	51.31	ug/l	98
94) Hexachlorobutadiene	14.88	225	629021	51.90	ug/l	100
95) Naphthalene	14.96	128	1492942	52.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	806932	51.03	ug/l	100

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

