

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058339.D
 Acq On : 23 Jun 2018 14:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 25 01:05:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	973419	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1235441	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	1002693	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	497996	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	521067	53.00	ug/l	0.02
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	5.57	113	551136	54.81	ug/l	0.02
Spiked Amount			Recovery	=	109.62%	
50) Toluene-d8	8.72	98	1267998	52.12	ug/l	0.01
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.94	95	519011	52.23	ug/l	0.01
Spiked Amount			Recovery	=	104.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	486907	53.82	ug/l	100
3) Chloromethane	1.51	50	202518	47.45	ug/l	98
4) Vinyl Chloride	1.57	62	225161	44.16	ug/l	99
5) Bromomethane	1.82	94	91138	53.95	ug/l	99
6) Chloroethane	1.90	64	110941	61.30	ug/l	98
7) Trichlorofluoromethane	2.11	101	406507	58.14	ug/l	92
8) Diethyl Ether	2.36	74	70194	47.46	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.58	101	250079	56.26	ug/l	88
10) Methyl Iodide	2.72	142	250817	49.61	ug/l	98
11) Tert butyl alcohol	3.28	59	79296	244.53	ug/l	97
12) 1,1-Dichloroethene	2.57	96	172721	51.65	ug/l	95
13) Acrolein	2.49	56	23569	127.32	ug/l	85
14) Allyl chloride	2.94	41	375213	48.21	ug/l	95
15) Acrylonitrile	3.38	53	379164	440.96	ug/l	97
16) Acetone	2.63	43	366776	272.77	ug/l	97
17) Carbon Disulfide	2.77	76	480455	42.23	ug/l	99
18) Methyl Acetate	2.95	43	131105	45.72	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	807848	91.08	ug/l	98
20) Methylene Chloride	3.09	84	173027	49.22	ug/l	94
21) trans-1,2-Dichloroethene	3.40	96	382298	104.60	ug/l	93
22) Diisopropyl ether	4.09	45	1418000	45.87	ug/l	91
23) Vinyl Acetate	4.04	43	3948468	238.27	ug/l	98
24) 1,1-Dichloroethane	4.00	63	841863	50.55	ug/l	98
25) 2-Butanone	4.85	43	679975	232.02	ug/l	99
26) 2,2-Dichloropropane	4.82	77	721174	51.71	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	460449	50.41	ug/l	98
28) Bromochloromethane	5.17	49	393785	52.74	ug/l #	95
29) Tetrahydrofuran	5.21	42	348684	223.53	ug/l	97
30) Chloroform	5.34	83	897812	51.06	ug/l	97
31) Cyclohexane	5.61	56	623931	51.79	ug/l	99
32) 1,1,1-Trichloroethane	5.53	97	737625	50.78	ug/l	97
36) 1,1-Dichloropropene	5.77	75	626090	51.23	ug/l	99
37) Ethyl Acetate	4.95	43	336595	48.34	ug/l #	95
38) Carbon Tetrachloride	5.75	117	625107	51.48	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.30	83	571186	47.98	ug/l	93
40) Benzene	6.03	78	1477837	50.76	ug/l	100
41) Methacrylonitrile	5.15	41	175913	52.32	ug/l	96
42) 1,2-Dichloroethane	6.15	62	595106	50.69	ug/l	98
43) Isopropyl Acetate	7.63	43	421473	45.40	ug/l #	97
44) Trichloroethene	7.00	130	460536	52.68	ug/l	100
45) 1,2-Dichloropropane	7.36	63	411441	52.48	ug/l	98
46) Dibromomethane	7.48	93	279936	52.30	ug/l	91
47) Bromodichloromethane	7.76	83	646588	52.97	ug/l	100
48) Methyl methacrylate	7.52	41	261511	46.35	ug/l	97
49) 1,4-Dioxane	7.51	88	50740	996.22	ug/l #	81
51) 4-Methyl-2-Pentanone	8.61	43	1443566	238.39	ug/l	99
52) Toluene	8.82	92	835774	50.42	ug/l	95
53) t-1,3-Dichloropropene	9.20	75	576066	54.29	ug/l	97
54) cis-1,3-Dichloropropene	8.38	75	639927	51.44	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	294321	50.18	ug/l	96
56) Ethyl methacrylate	9.32	69	351596	50.13	ug/l	99
57) 1,3-Dichloropropane	9.68	76	516341	52.26	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	854933	246.20	ug/l	100
59) 2-Hexanone	9.79	43	1100125	251.42	ug/l	99
60) Dibromochloromethane	9.97	129	426771	53.62	ug/l	98
61) 1,2-Dibromoethane	10.11	107	328321	51.15	ug/l	98
64) Tetrachloroethene	9.53	164	417689	49.51	ug/l	96
65) Chlorobenzene	10.73	112	926228	49.38	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	380611	52.58	ug/l	97
67) Ethyl Benzene	10.87	91	1661368	50.17	ug/l	97
68) m/p-Xylenes	11.02	106	1062127	96.19	ug/l	95
69) o-Xylene	11.41	106	534855	50.71	ug/l	95
70) Styrene	11.44	104	881539	48.98	ug/l	95
71) Bromoform	11.61	173	295982	51.26	ug/l #	94
73) Isopropylbenzene	11.78	105	1466602	49.24	ug/l	100
74) N-amyl acetate	11.65	43	579528	50.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	368216	53.12	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	378733	52.09	ug/l	100
77) Bromobenzene	12.05	156	481764	54.01	ug/l	89
78) n-propylbenzene	12.16	91	1996034	51.89	ug/l	97
79) 2-Chlorotoluene	12.23	91	1180714	53.64	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	1159013	49.89	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	91190	51.42	ug/l	92
82) 4-Chlorotoluene	12.33	91	1256769	59.63	ug/l	95
83) tert-Butylbenzene	12.58	119	1360835	50.95	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1306714	51.74	ug/l	98
85) sec-Butylbenzene	12.76	105	1552944	49.60	ug/l	99
86) p-Isopropyltoluene	12.89	119	1301467	51.29	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	804621	51.90	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	765161	50.54	ug/l	99
89) n-Butylbenzene	13.20	91	1290537	48.40	ug/l	98
90) Hexachloroethane	13.41	117	359078	54.53	ug/l	84
91) 1,2-Dichlorobenzene	13.20	146	605207	45.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	59054	53.53	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	624433	49.49	ug/l	97
94) Hexachlorobutadiene	14.44	225	468137	47.43	ug/l	98
95) Naphthalene	14.52	128	809964	48.73	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	528803	47.87	ug/l	99

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

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