

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059979.D
 Acq On : 6 Sep 2018 11:40
 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
 9/7/2018 10:24:26 AM

Quant Time: Sep 07 04:21:12 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	6.38	168	1279413	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1743301	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1491044	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	787224	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	514592	47.72	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	6.30	113	725273	53.07	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	9.44	98	1946494	51.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.42	95	794818	51.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	436611m	38.18	ug/l	
3) Chloromethane	1.74	50	400729	38.68	ug/l	97
4) Vinyl Chloride	1.83	62	337262	41.52	ug/l	98
5) Bromomethane	2.12	94	50983	36.35	ug/l	92
6) Chloroethane	2.22	64	109873	39.74	ug/l	99
7) Trichlorofluoromethane	2.48	101	423603	45.07	ug/l	99
8) Diethyl Ether	2.79	74	102093	48.42	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.06	101	280427	48.72	ug/l	96
10) Methyl Iodide	3.21	142	277507	45.59	ug/l	97
11) Tert butyl alcohol	3.95	59	226626	275.43	ug/l	100
12) 1,1-Dichloroethene	3.04	96	212610	47.45	ug/l	98
13) Acrolein	2.95	56	84938	238.01	ug/l	94
14) Allyl chloride	3.50	41	509288	50.24	ug/l	98
15) Acrylonitrile	4.05	53	814630	264.39	ug/l	99
16) Acetone	3.13	43	581381	295.92	ug/l	99
17) Carbon Disulfide	3.28	76	588543	42.32	ug/l	99
18) Methyl Acetate	3.52	43	232924	56.79	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	1305062	51.49	ug/l	99
20) Methylene Chloride	3.68	84	717115	55.07	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	605237	49.03	ug/l	97
22) Diisopropyl ether	4.82	45	2558656	49.49	ug/l	99
23) Vinyl Acetate	4.77	43	7134092	246.86	ug/l	99
24) 1,1-Dichloroethane	4.72	63	1104188	49.44	ug/l	100
25) 2-Butanone	5.60	43	1554962	267.24	ug/l	95
26) 2,2-Dichloropropane	5.56	77	879290	47.10	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	698761	51.70	ug/l	93
28) Bromochloromethane	5.89	49	512775	47.91	ug/l	96
29) Tetrahydrofuran	5.92	42	718498	259.38	ug/l	97
30) Chloroform	6.07	83	1122207	49.44	ug/l	98
31) Cyclohexane	6.34	56	879465	42.83	ug/l	100
32) 1,1,1-Trichloroethane	6.27	97	902643	46.86	ug/l	98
36) 1,1-Dichloropropene	6.49	75	759503	48.06	ug/l	99
37) Ethyl Acetate	5.67	43	637026	51.80	ug/l	99
38) Carbon Tetrachloride	6.47	117	749347	46.99	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	837710	49.06	ug/l	96
40) Benzene	6.77	78	2096785	51.03	ug/l	100
41) Methacrylonitrile	5.89	41	301885m	48.73	ug/l	
42) 1,2-Dichloroethane	6.87	62	653003	49.50	ug/l	98
43) Isopropyl Acetate	8.33	43	831257	51.96	ug/l #	97
44) Trichloroethene	7.71	130	647355	53.51	ug/l	98
45) 1,2-Dichloropropane	8.09	63	593277	51.65	ug/l	99
46) Dibromomethane	8.20	93	388220	52.57	ug/l	95
47) Bromodichloromethane	8.47	83	846962	50.66	ug/l	98
48) Methyl methacrylate	8.23	41	468268	50.21	ug/l	98
49) 1,4-Dioxane	8.21	88	96165	1154.98	ug/l #	87
51) 4-Methyl-2-Pentanone	9.33	43	3291030	275.93	ug/l	100
52) Toluene	9.54	92	1378431	52.31	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	781294	50.52	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	917257	51.16	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	492159	51.10	ug/l	98
56) Ethyl methacrylate	10.02	69	576791	51.89	ug/l	97
57) 1,3-Dichloropropane	10.37	76	730946	52.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1441173	270.27	ug/l	97
59) 2-Hexanone	10.48	43	2434389	276.72	ug/l	98
60) Dibromochloromethane	10.63	129	614117	50.73	ug/l	98
61) 1,2-Dibromoethane	10.75	107	516620	53.05	ug/l	98
64) Tetrachloroethene	10.23	164	580127	50.32	ug/l	99
65) Chlorobenzene	11.31	112	1542100	52.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	539088	49.80	ug/l	97
67) Ethyl Benzene	11.41	91	2474918	49.65	ug/l	99
68) m/p-Xylenes	11.56	106	1843064	101.55	ug/l	96
69) o-Xylene	11.93	106	927575	52.25	ug/l	98
70) Styrene	11.95	104	1579731	51.40	ug/l	99
71) Bromoform	12.10	173	467256	49.89	ug/l	100
73) Isopropylbenzene	12.27	105	2482492	49.40	ug/l	97
74) N-amyl acetate	12.12	43	1047560	47.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	596816	51.35	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	603110	49.29	ug/l	100
77) Bromobenzene	12.54	156	730314	52.42	ug/l	81
78) n-propylbenzene	12.64	91	3035187	47.70	ug/l	96
79) 2-Chlorotoluene	12.69	91	1755577	48.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1957344	48.99	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.33	75	180541	47.44	ug/l	99
82) 4-Chlorotoluene	12.80	91	1991571	48.52	ug/l	97
83) tert-Butylbenzene	13.04	119	2069577m	45.47	ug/l	
84) 1,2,4-Trimethylbenzene	13.09	105	2012865	48.34	ug/l	98
85) sec-Butylbenzene	13.22	105	2551427	47.67	ug/l	98
86) p-Isopropyltoluene	13.33	119	2162543	49.68	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1274847	51.25	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1279665	51.56	ug/l	98
89) n-Butylbenzene	13.64	91	2171755	52.95	ug/l	98
90) Hexachloroethane	13.86	117	554568	47.45	ug/l	75
91) 1,2-Dichlorobenzene	13.66	146	1104126	52.20	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	82037	45.90	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	940719	51.95	ug/l	98
94) Hexachlorobutadiene	14.88	225	622500	52.44	ug/l	100
95) Naphthalene	14.96	128	1460363	52.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	818951	52.88	ug/l	97

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

