

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058034.D
 Acq On : 8 Jun 2018 22:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 08 23:38:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	781237	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	1058110	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	849579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	421357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	392754	50.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	5.53	113	418629	51.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.69	98	975409	50.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.92	95	425361	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	542744	51.76	ug/l	99
3) Chloromethane	1.48	50	259308	50.21	ug/l	97
4) Vinyl Chloride	1.55	62	258580	51.73	ug/l	96
5) Bromomethane	1.78	94	107418	54.83	ug/l	95
6) Chloroethane	1.87	64	121048	61.38	ug/l	95
7) Trichlorofluoromethane	2.08	101	400789	58.66	ug/l	100
8) Diethyl Ether	2.34	74	70821	55.79	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.54	101	228417	56.04	ug/l	99
10) Methyl Iodide	2.68	142	296301	56.34	ug/l	95
11) Tert butyl alcohol	3.25	59	74998	358.45	ug/l	99
12) 1,1-Dichloroethene	2.53	96	180478	57.60	ug/l	93
13) Acrolein	2.46	56	66380	221.53	ug/l	98
14) Allyl chloride	2.91	41	382380	52.90	ug/l	99
15) Acrylonitrile	3.35	53	247686	202.35	ug/l	99
16) Acetone	2.60	43	268265	238.40	ug/l	97
17) Carbon Disulfide	2.75	76	606387	53.42	ug/l	99
18) Methyl Acetate	2.93	43	120331	55.28	ug/l	100
19) Methyl tert-butyl Ether	3.39	73	740476	53.71	ug/l	100
20) Methylene Chloride	3.05	84	178049	57.84	ug/l	# 89
21) trans-1,2-Dichloroethene	3.38	96	312775	44.82	ug/l	98
22) Diisopropyl ether	4.06	45	1539372	53.76	ug/l	98
23) Vinyl Acetate	4.00	43	4248402	287.15	ug/l	100
24) 1,1-Dichloroethane	3.96	63	865637	55.01	ug/l	100
25) 2-Butanone	4.83	43	684393	267.62	ug/l	93
26) 2,2-Dichloropropane	4.79	77	631926	48.75	ug/l	94
27) cis-1,2-Dichloroethene	4.79	96	447216	54.03	ug/l	97
28) Bromochloromethane	5.13	49	413908	60.77	ug/l	99
29) Tetrahydrofuran	5.17	42	369347	275.52	ug/l	99
30) Chloroform	5.31	83	877463	55.40	ug/l	99
31) Cyclohexane	5.57	56	695469	51.21	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	727212	54.84	ug/l	99
36) 1,1-Dichloropropene	5.73	75	631197	54.14	ug/l	98
37) Ethyl Acetate	4.91	43	353388	55.56	ug/l	98
38) Carbon Tetrachloride	5.71	117	616331	53.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	638206	55.23	ug/l	98
40) Benzene	6.00	78	1496021	54.93	ug/l	99
41) Methacrylonitrile	5.11	41	184636	63.48	ug/l	98
42) 1,2-Dichloroethane	6.12	62	587641	53.37	ug/l	99
43) Isopropyl Acetate	7.60	43	436904	52.44	ug/l #	96
44) Trichloroethene	6.97	130	441649	55.52	ug/l	100
45) 1,2-Dichloropropane	7.34	63	419903	55.48	ug/l	94
46) Dibromomethane	7.44	93	269271	55.38	ug/l	93
47) Bromodichloromethane	7.73	83	625726	54.96	ug/l	98
48) Methyl methacrylate	7.49	41	287744	56.11	ug/l	95
49) 1,4-Dioxane	7.47	88	48900	1151.05	ug/l #	90
51) 4-Methyl-2-Pentanone	8.59	43	1456958	272.63	ug/l	98
52) Toluene	8.79	92	823670	52.70	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	552388	56.32	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	640081	55.39	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	273118	53.99	ug/l	96
56) Ethyl methacrylate	9.31	69	342139	55.14	ug/l	97
57) 1,3-Dichloropropane	9.66	76	492070	55.47	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	849398	270.96	ug/l	98
59) 2-Hexanone	9.78	43	1064723	271.86	ug/l	99
60) Dibromochloromethane	9.94	129	411140	57.64	ug/l	96
61) 1,2-Dibromoethane	10.08	107	320573	55.11	ug/l	94
64) Tetrachloroethene	9.50	164	424998	55.96	ug/l	94
65) Chlorobenzene	10.71	112	918533	53.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	348256	52.70	ug/l	97
67) Ethyl Benzene	10.85	91	1630918	52.49	ug/l	100
68) m/p-Xylenes	11.01	106	1062474	104.89	ug/l	99
69) o-Xylene	11.40	106	526638	52.38	ug/l	98
70) Styrene	11.42	104	903834	54.30	ug/l	98
71) Bromoform	11.59	173	294304	59.20	ug/l #	98
73) Isopropylbenzene	11.77	105	1545001	55.36	ug/l	99
74) N-amyl acetate	11.64	43	611887	56.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	335192	55.09	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	352453	55.68	ug/l	98
77) Bromobenzene	12.03	156	459043	55.57	ug/l	92
78) n-propylbenzene	12.15	91	1952996	53.78	ug/l	98
79) 2-Chlorotoluene	12.21	91	1118962	54.01	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1132796	52.05	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	94534	60.30	ug/l	93
82) 4-Chlorotoluene	12.32	91	1190037	59.68	ug/l	99
83) tert-Butylbenzene	12.57	119	1288186	52.42	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	1237785	52.89	ug/l	100
85) sec-Butylbenzene	12.75	105	1573140	53.04	ug/l	100
86) p-Isopropyltoluene	12.88	119	1244138	52.04	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	777757	55.66	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	747225	54.88	ug/l	93
89) n-Butylbenzene	13.19	91	1292175	60.97	ug/l	100
90) Hexachloroethane	13.39	117	353867	58.00	ug/l	62
91) 1,2-Dichlorobenzene	13.18	146	596009	52.78	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	57354	61.07	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	563697	53.43	ug/l	97
94) Hexachlorobutadiene	14.43	225	472957	56.99	ug/l	98
95) Naphthalene	14.51	128	791326	58.17	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	484067	53.84	ug/l	97

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

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