

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\
 Data File : VD060752.D
 Acq On : 28 Dec 2018 17:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 1/2/2019 1:14:56 PM

Quant Time: Dec 28 22:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1327879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	1987326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1534162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	742489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	481363	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	6.33	113	717662	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	9.46	98	2157320	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.42	95	757808	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	785601	46.302	ug/l	98
3) Chloromethane	1.77	50	699633	44.805	ug/l	100
4) Vinyl Chloride	1.86	62	584474	47.145	ug/l	98
5) Bromomethane	2.16	94	180529	65.008	ug/l	99
6) Chloroethane	2.27	64	227323	61.442	ug/l	98
7) Trichlorofluoromethane	2.52	101	700987	50.835	ug/l	98
8) Diethyl Ether	2.84	74	124411	53.927	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	434300	48.555	ug/l	97
10) Methyl Iodide	3.26	142	486402	51.743	ug/l	98
11) Tert butyl alcohol	3.98	59	116132	302.813	ug/l	98
12) 1,1-Dichloroethene	3.09	96	348538	47.423	ug/l	96
13) Acrolein	3.00	56	66422	169.958	ug/l	98
14) Allyl chloride	3.55	41	660877	49.006	ug/l	96
15) Acrylonitrile	4.10	53	589537	264.780	ug/l	96
16) Acetone	3.16	43	366225	228.525	ug/l	98
17) Carbon Disulfide	3.33	76	1106015	47.122	ug/l	99
18) Methyl Acetate	3.57	43	217141	54.672	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	1035356	55.527	ug/l	98
20) Methylene Chloride	3.73	84	708654	42.580	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	774378	51.449	ug/l	98
22) Diisopropyl ether	4.86	45	2418084	52.810	ug/l	97
23) Vinyl Acetate	4.82	43	5520236	249.193	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1241320	51.541	ug/l	99
25) 2-Butanone	5.62	43	754135	245.917	ug/l	100
26) 2,2-Dichloropropane	5.59	77	918428	48.310	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	799879	52.351	ug/l	99
28) Bromochloromethane	5.93	49	496322	48.781	ug/l	93
29) Tetrahydrofuran	5.96	42	428992	246.765	ug/l	97
30) Chloroform	6.11	83	1185599	48.922	ug/l	99
31) Cyclohexane	6.37	56	1118166	48.244	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	1010417	50.395	ug/l	98
36) 1,1-Dichloropropene	6.53	75	914771	44.701	ug/l	97
37) Ethyl Acetate	5.70	43	385010	44.985	ug/l	96
38) Carbon Tetrachloride	6.51	117	833394	46.162	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1069024	45.804	ug/l	97
40) Benzene	6.80	78	2409767	45.588	ug/l	99
41) Methacrylonitrile	5.93	41	227441m	48.044	ug/l	
42) 1,2-Dichloroethane	6.90	62	627745	47.855	ug/l	98
43) Isopropyl Acetate	8.35	43	538496	49.030	ug/l #	99
44) Trichloroethene	7.75	130	773943	49.468	ug/l	100
45) 1,2-Dichloropropane	8.11	63	622998	48.059	ug/l	98
46) Dibromomethane	8.22	93	336697	45.508	ug/l	98
47) Bromodichloromethane	8.50	83	798547	45.570	ug/l	99
48) Methyl methacrylate	8.25	41	326088	48.883	ug/l	98
49) 1,4-Dioxane	8.23	88	58332	940.479	ug/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	1634707	242.934	ug/l	99
52) Toluene	9.55	92	1538451	46.426	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	693530	47.438	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	889307	46.474	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	425522	47.726	ug/l	94
56) Ethyl methacrylate	10.03	69	411097	49.641	ug/l	100
57) 1,3-Dichloropropane	10.39	76	643188	45.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1050519	215.288	ug/l	100
59) 2-Hexanone	10.50	43	1108384	235.323	ug/l	98
60) Dibromochloromethane	10.64	129	553497	48.737	ug/l	100
61) 1,2-Dibromoethane	10.76	107	467206	50.520	ug/l	97
64) Tetrachloroethene	10.26	164	623255	44.822	ug/l	95
65) Chlorobenzene	11.32	112	1693870	49.974	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	537685	49.337	ug/l	97
67) Ethyl Benzene	11.43	91	2638614	45.455	ug/l	99
68) m/p-Xylenes	11.57	106	2142805	101.008	ug/l	97
69) o-Xylene	11.94	106	1042028	51.774	ug/l	99
70) Styrene	11.96	104	1662189	51.278	ug/l	99
71) Bromoform	12.12	173	360452	50.105	ug/l	97
73) Isopropylbenzene	12.28	105	2851378	53.938	ug/l	100
74) N-amyl acetate	12.14	43	694898	55.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	434330	50.688	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	447526	52.942	ug/l	100
77) Bromobenzene	12.54	156	703562	50.410	ug/l	97
78) n-propylbenzene	12.64	91	3458980	51.181	ug/l	98
79) 2-Chlorotoluene	12.71	91	1864891	51.519	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2213290	54.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	130675	55.944	ug/l	97
82) 4-Chlorotoluene	12.82	91	2111082	51.454	ug/l	85
83) tert-Butylbenzene	13.05	119	2476119	53.299	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2255906	53.657	ug/l	100
85) sec-Butylbenzene	13.22	105	3087292	54.492	ug/l	99
86) p-Isopropyltoluene	13.35	119	2492565	54.502	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1332017	51.989	ug/l	94
88) 1,4-Dichlorobenzene	13.40	146	1299627	51.477	ug/l	99
89) n-Butylbenzene	13.65	91	2368890	50.688	ug/l	99
90) Hexachloroethane	13.86	117	620678	55.244	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	1066307	51.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	51334	50.995	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	850369	51.998	ug/l	96
94) Hexachlorobutadiene	14.88	225	614349	50.823	ug/l	99
95) Naphthalene	14.97	128	1092314	56.197	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	706223	55.242	ug/l	97

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

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