

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122618\
 Data File : VX006808.D
 Acq On : 26 Dec 2018 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 9:38:55 AM

Quant Time: Dec 27 03:15:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	621612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	883594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	807483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	446994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	314362	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.50	113	292526	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	8.71	98	1066480	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.13	95	410634	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	261207	45.933	ug/l	96
3) Chloromethane	1.32	50	278569	45.469	ug/l	99
4) Vinyl Chloride	1.41	62	303335	47.407	ug/l	97
5) Bromomethane	1.64	94	288476	48.244	ug/l	98
6) Chloroethane	1.72	64	192930	43.546	ug/l	99
7) Trichlorofluoromethane	1.93	101	488776	48.996	ug/l	98
8) Diethyl Ether	2.19	74	191576	48.350	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	303135	51.753	ug/l	99
10) Methyl Iodide	2.51	142	450531	53.733	ug/l	100
11) Tert butyl alcohol	3.07	59	364896	244.055	ug/l	99
12) 1,1-Dichloroethene	2.37	96	268998	48.434	ug/l	100
13) Acrolein	2.29	56	240707	238.648	ug/l	97
14) Allyl chloride	2.73	41	477490	51.076	ug/l	99
15) Acrylonitrile	3.15	53	821629	247.503	ug/l	100
16) Acetone	2.45	43	937497	304.585	ug/l	99
17) Carbon Disulfide	2.57	76	648524	44.124	ug/l	99
18) Methyl Acetate	2.78	43	482740	53.338	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	956796	51.905	ug/l	98
20) Methylene Chloride	2.85	84	308931	48.539	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	290815	47.258	ug/l	99
22) Diisopropyl ether	3.87	45	903819	52.847	ug/l	96
23) Vinyl Acetate	3.82	43	3667437	262.158	ug/l	99
24) 1,1-Dichloroethane	3.70	63	499769	48.951	ug/l	99
25) 2-Butanone	4.70	43	1160782	268.109	ug/l	100
26) 2,2-Dichloropropane	4.59	77	421720	53.474	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	335815	49.461	ug/l	97
28) Bromochloromethane	5.02	49	224902	52.344	ug/l	97
29) Tetrahydrofuran	5.15	42	697751	244.691	ug/l	97
30) Chloroform	5.21	83	534851	50.589	ug/l	100
31) Cyclohexane	5.57	56	444641	47.939	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	469250	52.564	ug/l	99
36) 1,1-Dichloropropene	5.80	75	389987	53.290	ug/l	100
37) Ethyl Acetate	4.85	43	403952	53.034	ug/l	99
38) Carbon Tetrachloride	5.78	117	406412	57.143	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	509365	52.868	ug/l	98
40) Benzene	6.14	78	1171183	52.649	ug/l	100
41) Methacrylonitrile	5.06	41	228522	56.509	ug/l	99
42) 1,2-Dichloroethane	6.20	62	396909	52.362	ug/l	99
43) Isopropyl Acetate	6.46	43	669869	57.800	ug/l	99
44) Trichloroethene	7.21	130	349485	51.908	ug/l	96
45) 1,2-Dichloropropane	7.51	63	298405	55.125	ug/l	99
46) Dibromomethane	7.66	93	209383	52.586	ug/l	96
47) Bromodichloromethane	7.90	83	384674	58.190	ug/l	96
48) Methyl methacrylate	7.77	41	341298	57.910	ug/l	98
49) 1,4-Dioxane	7.75	88	157528	1022.003	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	2134757	289.497	ug/l	98
52) Toluene	8.78	92	769412	53.539	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	438549	61.856	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	477111	61.331	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	319125	54.251	ug/l	99
56) Ethyl methacrylate	9.18	69	479128	57.629	ug/l	95
57) 1,3-Dichloropropane	9.37	76	510276	53.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1158576	262.155	ug/l	99
59) 2-Hexanone	9.49	43	1711773	303.398	ug/l	99
60) Dibromochloromethane	9.59	129	341807	55.299	ug/l	98
61) 1,2-Dibromoethane	9.67	107	343179	54.881	ug/l	99
64) Tetrachloroethene	9.34	164	342479	53.562	ug/l	95
65) Chlorobenzene	10.14	112	908594	53.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	326680	61.293	ug/l	99
67) Ethyl Benzene	10.25	91	1523903	54.591	ug/l	99
68) m/p-Xylenes	10.36	106	1212197	110.049	ug/l	99
69) o-Xylene	10.69	106	596528	54.842	ug/l	98
70) Styrene	10.71	104	980127	56.956	ug/l	99
71) Bromoform	10.85	173	261888	54.075	ug/l #	100
73) Isopropylbenzene	11.02	105	1595170	52.164	ug/l	99
74) N-amyl acetate	10.90	43	633727	57.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	484874	53.315	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	460788m	55.470	ug/l	
77) Bromobenzene	11.26	156	434388	52.543	ug/l	98
78) n-propylbenzene	11.36	91	1831140	54.378	ug/l	99
79) 2-Chlorotoluene	11.42	91	1055025	51.699	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1345996	53.439	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	141418	51.655	ug/l	99
82) 4-Chlorotoluene	11.51	91	1252402	53.502	ug/l	100
83) tert-Butylbenzene	11.77	119	1362245	54.039	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1368612	51.659	ug/l	100
85) sec-Butylbenzene	11.94	105	1675912	54.224	ug/l	100
86) p-Isopropyltoluene	12.06	119	1519502	55.928	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	805341	54.050	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	805372	52.727	ug/l	100
89) n-Butylbenzene	12.38	91	1332023	57.609	ug/l	99
90) Hexachloroethane	12.60	117	235502	55.031	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	783163	52.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	100409	53.359	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	579149	56.330	ug/l	99
94) Hexachlorobutadiene	13.78	225	290776	60.002	ug/l	98
95) Naphthalene	13.83	128	1683845	51.314	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	574575	54.126	ug/l	98

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

