

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004188.D
 Acq On : 21 Aug 2018 20:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:16:59 AM

Quant Time: Aug 22 02:04:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	294942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	203810	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	5.50	113	174466	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.71	98	665402	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.14	95	250948	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	129585	45.13	ug/l	98
3) Chloromethane	1.32	50	166618	47.29	ug/l	99
4) Vinyl Chloride	1.40	62	176297	46.25	ug/l	98
5) Bromomethane	1.63	94	86078	44.54	ug/l	98
6) Chloroethane	1.71	64	125016	49.85	ug/l	95
7) Trichlorofluoromethane	1.92	101	247894	46.36	ug/l	99
8) Diethyl Ether	2.18	74	112044	47.99	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	153434	45.99	ug/l	99
10) Methyl Iodide	2.50	142	157216	44.71	ug/l	99
11) Tert butyl alcohol	3.08	59	212509	253.95	ug/l	100
12) 1,1-Dichloroethene	2.37	96	146031	47.07	ug/l	99
13) Acrolein	2.29	56	125809	222.83	ug/l	99
14) Allyl chloride	2.72	41	284296	48.15	ug/l	100
15) Acrylonitrile	3.15	53	520547	249.49	ug/l	99
16) Acetone	2.45	43	514417	238.09	ug/l	100
17) Carbon Disulfide	2.56	76	380956	43.29	ug/l	100
18) Methyl Acetate	2.78	43	273997	57.07	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	525725	48.09	ug/l	99
20) Methylene Chloride	2.86	84	178315	50.50	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	163380	46.37	ug/l	92
22) Diisopropyl ether	3.87	45	546740	47.26	ug/l	97
23) Vinyl Acetate	3.82	43	2274771	239.41	ug/l	98
24) 1,1-Dichloroethane	3.69	63	310347	47.36	ug/l	100
25) 2-Butanone	4.70	43	839131	238.70	ug/l	99
26) 2,2-Dichloropropane	4.58	77	205909	39.53	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	193576	48.85	ug/l	94
28) Bromochloromethane	5.01	49	156233	51.97	ug/l	99
29) Tetrahydrofuran	5.16	42	428843	238.77	ug/l	100
30) Chloroform	5.21	83	317388	49.63	ug/l	100
31) Cyclohexane	5.57	56	262194	45.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	267248	50.01	ug/l	99
36) 1,1-Dichloropropene	5.79	75	231651	46.06	ug/l	99
37) Ethyl Acetate	4.86	43	247645	45.22	ug/l	99
38) Carbon Tetrachloride	5.78	117	229585	46.99	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	271634	47.61	ug/l	98
40) Benzene	6.14	78	729283	48.29	ug/l	100
41) Methacrylonitrile	5.06	41	142026	46.30	ug/l	99
42) 1,2-Dichloroethane	6.20	62	249481	47.20	ug/l	100
43) Isopropyl Acetate	6.46	43	384521	47.63	ug/l	99
44) Trichloroethene	7.21	130	195571	47.70	ug/l	93
45) 1,2-Dichloropropane	7.52	63	187223	48.43	ug/l	100
46) Dibromomethane	7.67	93	122544	48.51	ug/l	100
47) Bromodichloromethane	7.90	83	239019	49.95	ug/l	98
48) Methyl methacrylate	7.78	41	205321	50.53	ug/l	97
49) 1,4-Dioxane	7.76	88	96299	1052.56	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1685692	254.67	ug/l	99
52) Toluene	8.79	92	468777	49.08	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	260215	50.34	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	284489	49.70	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	191739	48.62	ug/l	99
56) Ethyl methacrylate	9.18	69	283638	52.89	ug/l	100
57) 1,3-Dichloropropane	9.37	76	322901	49.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	720802	263.93	ug/l	99
59) 2-Hexanone	9.50	43	1293582	259.67	ug/l	99
60) Dibromochloromethane	9.59	129	195507	51.51	ug/l	98
61) 1,2-Dibromoethane	9.67	107	199356	49.58	ug/l	99
64) Tetrachloroethene	9.34	164	186895	46.06	ug/l	97
65) Chlorobenzene	10.14	112	526859	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	189082	50.13	ug/l	99
67) Ethyl Benzene	10.25	91	893232	51.01	ug/l	98
68) m/p-Xylenes	10.36	106	703246	102.56	ug/l	97
69) o-Xylene	10.70	106	317210	48.40	ug/l	93
70) Styrene	10.71	104	530800	48.13	ug/l	99
71) Bromoform	10.86	173	143216	47.89	ug/l	99
73) Isopropylbenzene	11.02	105	909777	50.79	ug/l	96
74) N-amyl acetate	6.46	43	384521	45.64	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	298876	47.78	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	272824m	51.40	ug/l	
77) Bromobenzene	11.26	156	237016	48.00	ug/l	98
78) n-propylbenzene	11.36	91	1042228	52.00	ug/l	99
79) 2-Chlorotoluene	11.42	91	617121	50.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	758332	51.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83142	48.49	ug/l	99
82) 4-Chlorotoluene	11.51	91	711904	49.30	ug/l	98
83) tert-Butylbenzene	11.77	119	763764	51.65	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	766342	50.45	ug/l	98
85) sec-Butylbenzene	11.95	105	899298	51.96	ug/l	99
86) p-Isopropyltoluene	12.07	119	815553	52.05	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	445333	47.29	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	452638	46.70	ug/l	99
89) n-Butylbenzene	12.39	91	634342	51.38	ug/l	99
90) Hexachloroethane	12.60	117	109950	46.90	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	419109	49.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53563	48.72	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	296121	51.01	ug/l	98
94) Hexachlorobutadiene	13.78	225	134129	46.09	ug/l	98
95) Naphthalene	13.83	128	944826	51.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315992	49.92	ug/l	98

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

