

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003940.D
 Acq On : 09 Aug 2018 10:04
 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
 8/10/2018 10:55:20 AM

Quant Time: Aug 10 01:10:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	371858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	524535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	491508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304994	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	234964	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	5.50	113	197668	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	8.71	98	765457	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	291332	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	192254	51.02	ug/l	99
3) Chloromethane	1.32	50	218969	42.71	ug/l	100
4) Vinyl Chloride	1.40	62	242094	47.35	ug/l	99
5) Bromomethane	1.64	94	116404	42.89	ug/l	99
6) Chloroethane	1.71	64	178089	54.44	ug/l	97
7) Trichlorofluoromethane	1.92	101	336136	49.80	ug/l	99
8) Diethyl Ether	2.19	74	149649	49.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	214611	50.86	ug/l	100
10) Methyl Iodide	2.51	142	190675	36.32	ug/l	99
11) Tert butyl alcohol	3.07	59	261418	220.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	197383	49.45	ug/l	97
13) Acrolein	2.29	56	119968	195.57	ug/l	100
14) Allyl chloride	2.73	41	375197	48.77	ug/l	97
15) Acrylonitrile	3.15	53	641963	227.13	ug/l	100
16) Acetone	2.45	43	740833	252.62	ug/l	99
17) Carbon Disulfide	2.57	76	544171	48.12	ug/l	100
18) Methyl Acetate	2.78	43	301169	47.16	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	705503	49.88	ug/l	99
20) Methylene Chloride	2.85	84	228657	49.46	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	217002	47.89	ug/l	97
22) Diisopropyl ether	3.87	45	687347	48.60	ug/l	98
23) Vinyl Acetate	3.82	43	2919640	248.11	ug/l	99
24) 1,1-Dichloroethane	3.70	63	403359	48.01	ug/l	100
25) 2-Butanone	4.70	43	1078204	244.54	ug/l	98
26) 2,2-Dichloropropane	4.58	77	335547	55.38	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	250457	50.94	ug/l	98
28) Bromochloromethane	5.02	49	179731	49.99	ug/l	98
29) Tetrahydrofuran	5.16	42	526618	232.38	ug/l	100
30) Chloroform	5.21	83	398112	50.34	ug/l	98
31) Cyclohexane	5.57	56	360933	50.80	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	345629	52.11	ug/l	99
36) 1,1-Dichloropropene	5.80	75	313893	53.43	ug/l	99
37) Ethyl Acetate	4.86	43	318189	49.24	ug/l	99
38) Carbon Tetrachloride	5.78	117	296953	53.11	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	381703	55.11	ug/l	98
40) Benzene	6.14	78	926088	52.50	ug/l	100
41) Methacrylonitrile	5.06	41	178527	50.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	313808	52.61	ug/l	100
43) Isopropyl Acetate	6.46	43	509015	52.34	ug/l	99
44) Trichloroethene	7.21	130	252552	52.35	ug/l	96
45) 1,2-Dichloropropane	7.52	63	238139	52.28	ug/l	100
46) Dibromomethane	7.67	93	152136	51.44	ug/l	99
47) Bromodichloromethane	7.90	83	299124	53.69	ug/l	99
48) Methyl methacrylate	7.77	41	261789	52.96	ug/l	98
49) 1,4-Dioxane	7.76	88	115386	990.83	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2064524	256.12	ug/l	99
52) Toluene	8.79	92	600760	53.90	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	348981	55.42	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	377317	55.57	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	236636	51.95	ug/l	99
56) Ethyl methacrylate	9.18	69	368847	55.81	ug/l	99
57) 1,3-Dichloropropane	9.37	76	399230	52.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	824429	253.70	ug/l	99
59) 2-Hexanone	9.50	43	1601817	265.84	ug/l	99
60) Dibromochloromethane	9.59	129	243538	57.35	ug/l	100
61) 1,2-Dibromoethane	9.68	107	247541	54.28	ug/l	100
64) Tetrachloroethene	9.34	164	238920	49.41	ug/l	96
65) Chlorobenzene	10.14	112	659301	51.55	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	234514	53.34	ug/l	99
67) Ethyl Benzene	10.25	91	1133891	54.16	ug/l	98
68) m/p-Xylenes	10.36	106	909935	111.23	ug/l	95
69) o-Xylene	10.70	106	438728	56.81	ug/l	99
70) Styrene	10.71	104	730795	57.80	ug/l	98
71) Bromoform	10.86	173	191217	51.22	ug/l	99
73) Isopropylbenzene	11.02	105	1171971	51.94	ug/l	97
74) N-amyl acetate	6.46	43	509015	43.38	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	369275	47.75	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	327389m	48.60	ug/l	
77) Bromobenzene	11.26	156	306924	50.99	ug/l	98
78) n-propylbenzene	11.36	91	1354019	53.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	776310	50.26	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	970675	52.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	116391	47.13	ug/l	96
82) 4-Chlorotoluene	11.51	91	911422	50.36	ug/l	99
83) tert-Butylbenzene	11.77	119	979223	54.10	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	994817	53.78	ug/l	98
85) sec-Butylbenzene	11.94	105	1156924	54.16	ug/l	98
86) p-Isopropyltoluene	12.07	119	1068399	55.74	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	572020	51.41	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	568230	53.28	ug/l	99
89) n-Butylbenzene	12.39	91	890113	53.29	ug/l	99
90) Hexachloroethane	12.60	117	156918	50.42	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	534656	48.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	73601	46.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	401712	50.65	ug/l	99
94) Hexachlorobutadiene	13.79	225	185351	52.94	ug/l	97
95) Naphthalene	13.83	128	1246864	54.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	427768	54.04	ug/l	99

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

