

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120718\
 Data File : VX006358.D
 Acq On : 07 Dec 2018 20:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 9:57:46 AM

Quant Time: Dec 08 01:43:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	635326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	975934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	881209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	454693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	334898	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	5.50	113	324039	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	8.71	98	1142457	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	434081	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	314408	50.542	ug/l	99
3) Chloromethane	1.33	50	294484	46.066	ug/l	100
4) Vinyl Chloride	1.41	62	323677	47.045	ug/l	100
5) Bromomethane	1.64	94	268131	56.234	ug/l	99
6) Chloroethane	1.71	64	207963	49.298	ug/l	97
7) Trichlorofluoromethane	1.93	101	513020	48.576	ug/l	98
8) Diethyl Ether	2.19	74	197352	49.375	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	294608	49.058	ug/l	98
10) Methyl Iodide	2.51	142	429427	47.450	ug/l	97
11) Tert butyl alcohol	3.07	59	403768	227.644	ug/l	100
12) 1,1-Dichloroethene	2.37	96	275951	48.001	ug/l	96
13) Acrolein	2.29	56	204238	210.679	ug/l	98
14) Allyl chloride	2.73	41	502044	44.209	ug/l	99
15) Acrylonitrile	3.15	53	886131	239.414	ug/l	100
16) Acetone	2.45	43	729196	239.577	ug/l	97
17) Carbon Disulfide	2.57	76	738261	41.675	ug/l	99
18) Methyl Acetate	2.78	43	503973	49.513	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	1007380	49.121	ug/l	99
20) Methylene Chloride	2.86	84	310337	47.909	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	292438	47.735	ug/l	100
22) Diisopropyl ether	3.87	45	899327	50.701	ug/l	98
23) Vinyl Acetate	3.82	43	3722911	246.078	ug/l	99
24) 1,1-Dichloroethane	3.70	63	523865	51.671	ug/l	99
25) 2-Butanone	4.70	43	1085133	249.864	ug/l	100
26) 2,2-Dichloropropane	4.58	77	425505	45.476	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	352837	51.633	ug/l	97
28) Bromochloromethane	5.02	49	229164	51.748	ug/l	96
29) Tetrahydrofuran	5.15	42	721506	239.043	ug/l	97
30) Chloroform	5.21	83	551859	51.797	ug/l	97
31) Cyclohexane	5.57	56	443614	47.346	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	501846	49.505	ug/l	99
36) 1,1-Dichloropropene	5.80	75	391959	47.693	ug/l	100
37) Ethyl Acetate	4.85	43	423944	46.063	ug/l	99
38) Carbon Tetrachloride	5.78	117	453178	46.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	498729	46.751	ug/l	98
40) Benzene	6.14	78	1204707	48.943	ug/l	99
41) Methacrylonitrile	5.06	41	236766	46.752	ug/l	99
42) 1,2-Dichloroethane	6.20	62	404334	50.191	ug/l	100
43) Isopropyl Acetate	6.46	43	696136	45.366	ug/l	99
44) Trichloroethene	7.21	130	362404	48.600	ug/l	100
45) 1,2-Dichloropropane	7.51	63	298512	47.717	ug/l	100
46) Dibromomethane	7.66	93	222207	49.181	ug/l	97
47) Bromodichloromethane	7.90	83	417213	47.684	ug/l	99
48) Methyl methacrylate	7.77	41	341381	45.730	ug/l	97
49) 1,4-Dioxane	7.75	88	174967	950.967	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2096425	234.685	ug/l	99
52) Toluene	8.79	92	790770	48.831	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	466259	45.566	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	496996	46.775	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	331315	50.360	ug/l	99
56) Ethyl methacrylate	9.18	69	493030	47.937	ug/l	98
57) 1,3-Dichloropropane	9.37	76	521785	50.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1249568	239.422	ug/l	100
59) 2-Hexanone	9.49	43	1553468	227.622	ug/l	99
60) Dibromochloromethane	9.59	129	379136	46.735	ug/l	99
61) 1,2-Dibromoethane	9.67	107	361030	49.078	ug/l	100
64) Tetrachloroethene	9.34	164	320476	48.291	ug/l	97
65) Chlorobenzene	10.14	112	934751	49.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	356101	48.996	ug/l	99
67) Ethyl Benzene	10.25	91	1520746	48.880	ug/l	99
68) m/p-Xylenes	10.36	106	1216996	97.652	ug/l	99
69) o-Xylene	10.70	106	604000	49.066	ug/l	100
70) Styrene	10.71	104	968618	48.650	ug/l	98
71) Bromoform	10.86	173	301911	44.005	ug/l #	100
73) Isopropylbenzene	11.02	105	1595045	50.797	ug/l	100
74) N-amyl acetate	10.90	43	609242	45.057	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	492774	49.053	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	457441m	52.122	ug/l	
77) Bromobenzene	11.26	156	429558	49.294	ug/l	99
78) n-propylbenzene	11.36	91	1751827	50.189	ug/l	100
79) 2-Chlorotoluene	11.42	91	1033325	49.808	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1312543	50.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	157710	42.171	ug/l	92
82) 4-Chlorotoluene	11.51	91	1191283	49.389	ug/l	100
83) tert-Butylbenzene	11.77	119	1390095	49.868	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1349041	50.006	ug/l	99
85) sec-Butylbenzene	11.94	105	1619909	51.081	ug/l	100
86) p-Isopropyltoluene	12.06	119	1438182	50.364	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	770767	49.709	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	762217	48.432	ug/l	99
89) n-Butylbenzene	12.39	91	1200163	49.257	ug/l	99
90) Hexachloroethane	12.60	117	271601	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	755817	49.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	112608	43.729	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	545719	48.607	ug/l	99
94) Hexachlorobutadiene	13.78	225	244744	49.293	ug/l	99
95) Naphthalene	13.83	128	1725597	49.411	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	542005	48.741	ug/l	99

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

