

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051719\
 Data File : VX009663.D
 Acq On : 17 May 2019 15:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:12:02 AM

Quant Time: May 18 05:29:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	151686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	235983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98465	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	5.49	113	73821	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	8.71	98	288658	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.13	95	112729	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59564	42.612	ug/l	99
3) Chloromethane	1.32	50	90272	47.303	ug/l	100
4) Vinyl Chloride	1.41	62	88599	47.611	ug/l	99
5) Bromomethane	1.64	94	54388	48.694	ug/l	95
6) Chloroethane	1.71	64	56842	47.576	ug/l	99
7) Trichlorofluoromethane	1.92	101	114164	50.470	ug/l	97
8) Diethyl Ether	2.18	74	52932	49.401	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72099	50.757	ug/l	100
10) Methyl Iodide	2.50	142	81732	49.565	ug/l	99
11) Tert butyl alcohol	3.06	59	125321	261.458	ug/l	99
12) 1,1-Dichloroethene	2.37	96	69056	48.520	ug/l	99
13) Acrolein	2.29	56	108373	249.660	ug/l	99
14) Allyl chloride	2.72	41	171744	49.516	ug/l	99
15) Acrylonitrile	3.14	53	308210	262.987	ug/l	100
16) Acetone	2.45	43	313818	282.240	ug/l	97
17) Carbon Disulfide	2.56	76	178840	44.756	ug/l	100
18) Methyl Acetate	2.78	43	138663	52.439	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	283332	51.265	ug/l	99
20) Methylene Chloride	2.85	84	86583	48.094	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	75710	49.050	ug/l	98
22) Diisopropyl ether	3.85	45	344688	51.675	ug/l	97
23) Vinyl Acetate	3.81	43	1529728	267.817	ug/l	100
24) 1,1-Dichloroethane	3.69	63	163416	49.663	ug/l	99
25) 2-Butanone	4.67	43	479512	277.523	ug/l	98
26) 2,2-Dichloropropane	4.58	77	126130	51.497	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	91371	49.594	ug/l	98
28) Bromochloromethane	5.01	49	54099	40.311	ug/l	98
29) Tetrahydrofuran	5.12	42	298459	268.434	ug/l	99
30) Chloroform	5.21	83	153505	51.580	ug/l	100
31) Cyclohexane	5.57	56	151248	49.405	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	125617	50.704	ug/l	99
36) 1,1-Dichloropropene	5.79	75	113570	51.787	ug/l	99
37) Ethyl Acetate	4.83	43	170773	55.890	ug/l	99
38) Carbon Tetrachloride	5.78	117	103681	52.036	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140810	52.283	ug/l	98
40) Benzene	6.14	78	351050	51.724	ug/l	98
41) Methacrylonitrile	5.04	41	96510	53.061	ug/l	98
42) 1,2-Dichloroethane	6.19	62	129859	53.339	ug/l	100
43) Isopropyl Acetate	6.45	43	270749	55.396	ug/l	99
44) Trichloroethene	7.21	130	83562	50.928	ug/l	98
45) 1,2-Dichloropropane	7.51	63	101390	52.758	ug/l	99
46) Dibromomethane	7.66	93	57922	51.901	ug/l	99
47) Bromodichloromethane	7.90	83	117526	52.793	ug/l	99
48) Methyl methacrylate	7.77	41	137333	56.637	ug/l	99
49) 1,4-Dioxane	7.74	88	49977	1016.318	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	920349	288.099	ug/l	99
52) Toluene	8.78	92	214927	52.095	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140549	55.921	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	152015	54.644	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	90187	53.582	ug/l	96
56) Ethyl methacrylate	9.18	69	167726	55.825	ug/l	99
57) 1,3-Dichloropropane	9.37	76	156832	52.949	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	352841	221.372	ug/l	100
59) 2-Hexanone	9.49	43	722844	288.104	ug/l	98
60) Dibromochloromethane	9.58	129	89125	54.215	ug/l	98
61) 1,2-Dibromoethane	9.67	107	90638	53.347	ug/l	100
64) Tetrachloroethene	9.34	164	78022	52.767	ug/l	98
65) Chlorobenzene	10.13	112	228176	52.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83894	53.664	ug/l	99
67) Ethyl Benzene	10.25	91	424476	53.488	ug/l	100
68) m/p-Xylenes	10.36	106	315268	108.712	ug/l	99
69) o-Xylene	10.69	106	154398	53.960	ug/l	100
70) Styrene	10.71	104	270938	54.480	ug/l	99
71) Bromoform	10.85	173	70350	55.375	ug/l #	100
73) Isopropylbenzene	11.02	105	417017	52.094	ug/l	99
74) N-amyl acetate	10.90	43	249201	53.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	152655	51.155	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	133997m	52.475	ug/l	
77) Bromobenzene	11.26	156	102641	51.659	ug/l	99
78) n-propylbenzene	11.36	91	485459	53.101	ug/l	100
79) 2-Chlorotoluene	11.42	91	286497	50.795	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	354909	52.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52295	52.400	ug/l	96
82) 4-Chlorotoluene	11.51	91	333178	52.288	ug/l	99
83) tert-Butylbenzene	11.77	119	342013	52.160	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	356204	52.649	ug/l	100
85) sec-Butylbenzene	11.94	105	412202	53.025	ug/l	100
86) p-Isopropyltoluene	12.06	119	377552	54.024	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187118	52.828	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	186037	52.097	ug/l	100
89) n-Butylbenzene	12.38	91	350117	55.429	ug/l	100
90) Hexachloroethane	12.60	117	62230	52.267	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	184683	51.191	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34932	52.181	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	135038	54.736	ug/l	98
94) Hexachlorobutadiene	13.78	225	70268	55.776	ug/l	98
95) Naphthalene	13.83	128	426854	53.181	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	134787	53.898	ug/l	100

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

