

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051319\
 Data File : VX009533.D
 Acq On : 13 May 2019 10:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 12:15:46 PM

Quant Time: May 14 03:53:59 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	182233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	132338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113550	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	5.49	113	85212	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.71	98	343117	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.13	95	127625	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76473	45.539	ug/l	99
3) Chloromethane	1.32	50	108644	47.387	ug/l	99
4) Vinyl Chloride	1.41	62	109575	49.012	ug/l	98
5) Bromomethane	1.64	94	67891	50.594	ug/l	98
6) Chloroethane	1.71	64	69496	48.417	ug/l	99
7) Trichlorofluoromethane	1.92	101	139936	51.493	ug/l	100
8) Diethyl Ether	2.18	74	63667	49.459	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87692	51.386	ug/l	98
10) Methyl Iodide	2.51	142	100444	50.597	ug/l	100
11) Tert butyl alcohol	3.05	59	127291	221.052	ug/l	100
12) 1,1-Dichloroethene	2.37	96	86731	50.724	ug/l	98
13) Acrolein	2.29	56	127992	245.430	ug/l	99
14) Allyl chloride	2.73	41	204809	49.151	ug/l	100
15) Acrylonitrile	3.14	53	326900	232.178	ug/l	99
16) Acetone	2.44	43	325027	243.321	ug/l	98
17) Carbon Disulfide	2.57	76	248637	51.793	ug/l	99
18) Methyl Acetate	2.77	43	141493	44.540	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	331862	49.980	ug/l	98
20) Methylene Chloride	2.85	84	103064	47.652	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	94252	50.827	ug/l	97
22) Diisopropyl ether	3.85	45	398451	49.722	ug/l	94
23) Vinyl Acetate	3.81	43	1781016	259.544	ug/l	100
24) 1,1-Dichloroethane	3.69	63	194649	49.238	ug/l	99
25) 2-Butanone	4.67	43	497752	239.790	ug/l	100
26) 2,2-Dichloropropane	4.57	77	154695	52.572	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	111468	50.361	ug/l	98
28) Bromochloromethane	5.01	49	71547	44.668	ug/l	99
29) Tetrahydrofuran	5.12	42	316394	236.864	ug/l	100
30) Chloroform	5.21	83	179730	50.268	ug/l	100
31) Cyclohexane	5.57	56	191645	52.107	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	149950	50.380	ug/l	100
36) 1,1-Dichloropropene	5.79	75	140518	53.832	ug/l	99
37) Ethyl Acetate	4.82	43	183593	50.480	ug/l	99
38) Carbon Tetrachloride	5.78	117	128588	54.219	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	180727	56.377	ug/l	99
40) Benzene	6.13	78	421226	52.142	ug/l	100
41) Methacrylonitrile	5.04	41	106461	49.175	ug/l	99
42) 1,2-Dichloroethane	6.19	62	153132	52.843	ug/l	99
43) Isopropyl Acetate	6.44	43	300298	51.620	ug/l	100
44) Trichloroethene	7.21	130	103760	53.129	ug/l	97
45) 1,2-Dichloropropane	7.51	63	120150	52.525	ug/l	97
46) Dibromomethane	7.66	93	67771	51.019	ug/l	96
47) Bromodichloromethane	7.89	83	141855	53.536	ug/l	96
48) Methyl methacrylate	7.76	41	151241	52.402	ug/l	100
49) 1,4-Dioxane	7.74	88	51048	872.148	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	965856	254.011	ug/l	100
52) Toluene	8.78	92	261828	53.318	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	166785	55.752	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	184491	55.717	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	103173	51.499	ug/l	98
56) Ethyl methacrylate	9.18	69	189500	52.989	ug/l	99
57) 1,3-Dichloropropane	9.37	76	183664	52.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	485332	255.820	ug/l	99
59) 2-Hexanone	9.49	43	768453	257.320	ug/l	100
60) Dibromochloromethane	9.58	129	107260	54.817	ug/l	99
61) 1,2-Dibromoethane	9.67	107	107122	52.970	ug/l	99
64) Tetrachloroethene	9.34	164	95832	55.402	ug/l	98
65) Chlorobenzene	10.13	112	271841	53.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	98729	53.984	ug/l	100
67) Ethyl Benzene	10.25	91	510817	55.022	ug/l	100
68) m/p-Xylenes	10.35	106	377074	111.146	ug/l	98
69) o-Xylene	10.69	106	181661	54.271	ug/l	100
70) Styrene	10.71	104	323782	55.653	ug/l	100
71) Bromoform	10.85	173	83599	56.250	ug/l #	100
73) Isopropylbenzene	11.02	105	491171	51.039	ug/l	99
74) N-amyl acetate	10.90	43	281628	50.196	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	173636	48.400	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	154298m	50.264	ug/l	
77) Bromobenzene	11.25	156	121142	50.717	ug/l	99
78) n-propylbenzene	11.36	91	583944	53.132	ug/l	100
79) 2-Chlorotoluene	11.42	91	340185	50.171	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	426045	52.579	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	63204	52.680	ug/l	100
82) 4-Chlorotoluene	11.51	91	398463	52.018	ug/l	100
83) tert-Butylbenzene	11.77	119	410049	52.020	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	426363	52.422	ug/l	99
85) sec-Butylbenzene	11.94	105	495842	53.058	ug/l	100
86) p-Isopropyltoluene	12.06	119	455970	54.273	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	223572	52.505	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	224253	52.238	ug/l	99
89) n-Butylbenzene	12.38	91	430143	56.646	ug/l	100
90) Hexachloroethane	12.59	117	76451	53.413	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	222003	51.188	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38217	47.488	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	163579	55.155	ug/l	99
94) Hexachlorobutadiene	13.78	225	86232	56.937	ug/l	100
95) Naphthalene	13.83	128	490447	50.828	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161267	53.642	ug/l	99

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

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