

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071519\
 Data File : VX010897.D
 Acq On : 15 Jul 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:48:06 AM

Quant Time: Jul 16 04:00:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	261955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	369154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124548	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.42%		
35) Dibromofluoromethane	5.50	113	116434	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.66%		
50) Toluene-d8	8.71	98	410843	44.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.22%		
62) 4-Bromofluorobenzene	11.13	95	164445	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.80%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88901	48.815	ug/l	100
3) Chloromethane	1.32	50	87348	41.189	ug/l	100
4) Vinyl Chloride	1.41	62	100150	43.117	ug/l	99
5) Bromomethane	1.64	94	54205	47.901	ug/l	99
6) Chloroethane	1.71	64	63293	46.186	ug/l	97
7) Trichlorofluoromethane	1.92	101	177446	48.191	ug/l	98
8) Diethyl Ether	2.19	74	61100	46.272	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102514	45.942	ug/l	98
10) Methyl Iodide	2.51	142	135464	42.539	ug/l	96
11) Tert butyl alcohol	3.05	59	138575	215.621	ug/l	97
12) 1,1-Dichloroethene	2.37	96	101287	44.609	ug/l	95
13) Acrolein	2.29	56	104726	245.642	ug/l	100
14) Allyl chloride	2.73	41	153029	47.472	ug/l	96
15) Acrylonitrile	3.14	53	304559	239.352	ug/l	99
16) Acetone	2.45	43	251325	204.177	ug/l	96
17) Carbon Disulfide	2.57	76	236360	38.801	ug/l	100
18) Methyl Acetate	2.78	43	122635	49.988	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	347024	48.582	ug/l	100
20) Methylene Chloride	2.85	84	114573	45.229	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	106775	43.724	ug/l	96
22) Diisopropyl ether	3.85	45	323694	48.028	ug/l	98
23) Vinyl Acetate	3.81	43	1452837	249.526	ug/l	97
24) 1,1-Dichloroethane	3.70	63	185143	47.524	ug/l	98
25) 2-Butanone	4.67	43	417579	231.269	ug/l	99
26) 2,2-Dichloropropane	4.58	77	140882	41.629	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	128290	45.461	ug/l	97
28) Bromochloromethane	5.02	49	75097	40.317	ug/l	95
29) Tetrahydrofuran	5.13	42	263668	235.754	ug/l	99
30) Chloroform	5.21	83	200907	47.930	ug/l	100
31) Cyclohexane	5.58	56	158435	44.659	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	179126	48.397	ug/l	99
36) 1,1-Dichloropropene	5.80	75	143589	45.412	ug/l	97
37) Ethyl Acetate	4.84	43	157238	48.338	ug/l	99
38) Carbon Tetrachloride	5.79	117	155794	45.501	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175106	42.131	ug/l	99
40) Benzene	6.14	78	440469	44.714	ug/l	98
41) Methacrylonitrile	5.04	41	86774	48.619	ug/l	98
42) 1,2-Dichloroethane	6.19	62	155893	51.988	ug/l	96
43) Isopropyl Acetate	6.45	43	258545	48.041	ug/l	97
44) Trichloroethene	7.21	130	127047	43.101	ug/l	99
45) 1,2-Dichloropropane	7.51	63	112525	45.234	ug/l	99
46) Dibromomethane	7.66	93	82793	46.388	ug/l	96
47) Bromodichloromethane	7.90	83	152350	46.578	ug/l	100
48) Methyl methacrylate	7.77	41	123875	49.519	ug/l	97
49) 1,4-Dioxane	7.74	88	67257	933.311	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	854795	248.343	ug/l	97
52) Toluene	8.78	92	287870	44.375	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	165367	45.094	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	180281	45.239	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	125258	46.818	ug/l	97
56) Ethyl methacrylate	9.18	69	192959	47.610	ug/l	94
57) 1,3-Dichloropropane	9.37	76	194096	46.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	375657	195.161	ug/l	99
59) 2-Hexanone	9.49	43	661192	244.075	ug/l	98
60) Dibromochloromethane	9.58	129	136675	45.625	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132989	46.052	ug/l	100
64) Tetrachloroethene	9.34	164	120617	40.397	ug/l	96
65) Chlorobenzene	10.13	112	330347	44.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	124980	45.782	ug/l	99
67) Ethyl Benzene	10.25	91	572275	45.231	ug/l	98
68) m/p-Xylenes	10.36	106	443793	90.524	ug/l	99
69) o-Xylene	10.69	106	216417	44.889	ug/l	96
70) Styrene	10.71	104	376469	46.562	ug/l	98
71) Bromoform	10.85	173	107313	45.204	ug/l	100
73) Isopropylbenzene	11.02	105	587133	44.271	ug/l	98
74) N-amyl acetate	10.90	43	241551	48.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	195914	44.606	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	165105m	46.311	ug/l	
77) Bromobenzene	11.25	156	160042	43.217	ug/l	97
78) n-propylbenzene	11.36	91	655169	44.949	ug/l	99
79) 2-Chlorotoluene	11.42	91	387716	44.670	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	494223	45.204	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	57928	37.906	ug/l #	87
82) 4-Chlorotoluene	11.51	91	456627	46.234	ug/l	98
83) tert-Butylbenzene	11.77	119	494211	45.037	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	504059	45.889	ug/l	100
85) sec-Butylbenzene	11.94	105	578448	44.896	ug/l	99
86) p-Isopropyltoluene	12.06	119	535207	44.909	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	280910	43.457	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	283341	43.056	ug/l	99
89) n-Butylbenzene	12.38	91	464001	45.819	ug/l	99
90) Hexachloroethane	12.60	117	87895	42.653	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	278424	43.338	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44002	46.467	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	194418	43.637	ug/l	99
94) Hexachlorobutadiene	13.78	225	93481	42.931	ug/l	98
95) Naphthalene	13.83	128	598702	43.728	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	192836	43.532	ug/l	99

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

