

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010907.D
 Acq On : 16 Jul 2019 15:32
 Operator : JC/SP
 Sample : K3591-07 0.2PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:28 AM

Quant Time: Jul 17 06:34:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 05:51:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	227267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	339712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146856	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	115121	47.61	ug/l	0.00
Spiked Amount						
			Recovery	=	95.22%	
35) Dibromofluoromethane	5.49	113	101681	47.16	ug/l	-0.01
Spiked Amount						
			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	389190	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.13	95	134627	45.29	ug/l	0.00
Spiked Amount						
			Recovery	=	90.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	905	0.433	ug/l	98
4) Vinyl Chloride	1.41	62	637	0.299	ug/l #	76
5) Bromomethane	1.65	94	1311	1.091	ug/l	85
6) Chloroethane	1.73	64	790	0.583	ug/l	89
7) Trichlorofluoromethane	1.93	101	873	0.242	ug/l #	79
8) Diethyl Ether	2.19	74	517	0.416	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	550	0.267	ug/l #	77
10) Methyl Iodide	2.51	142	897	0.332	ug/l #	95
11) Tert butyl alcohol	3.02	59	2535	4.502	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	665	0.329	ug/l	90
13) Acrolein	2.29	56	886	2.723	ug/l #	70
14) Allyl chloride	2.73	41	1050	0.357	ug/l #	82
15) Acrylonitrile	3.14	53	1804	1.586	ug/l	86
16) Acetone	2.44	43	1667	1.527	ug/l	96
17) Carbon Disulfide	2.57	76	3488	0.672	ug/l #	92
18) Methyl Acetate	2.77	43	1155	0.465	ug/l #	86
19) Methyl tert-butyl Ether	3.19	73	1669	0.256	ug/l #	91
20) Methylene Chloride	2.85	84	1024	0.442	ug/l #	75
21) trans-1,2-Dichloroethene	3.17	96	989	0.460	ug/l #	70
22) Diisopropyl ether	3.85	45	1752	0.283	ug/l #	93
23) Vinyl Acetate	3.82	43	5378	1.024	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	1036	0.288	ug/l #	82
25) 2-Butanone	4.68	43	1993	1.271	ug/l #	79
26) 2,2-Dichloropropane	4.57	77	1003	0.339	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	1038	0.418	ug/l	86
28) Bromochloromethane	5.03	49	875m	0.516	ug/l	
29) Tetrahydrofuran	5.14	42	1163	1.171	ug/l #	61
30) Chloroform	5.20	83	1545m	0.397	ug/l	
31) Cyclohexane	5.58	56	888m	0.271	ug/l	
32) 1,1,1-Trichloroethane	5.48	97	859	0.255	ug/l #	35
36) 1,1-Dichloropropene	5.81	75	1045	0.374	ug/l #	91
37) Ethyl Acetate	4.85	43	1005m	0.352	ug/l	
38) Carbon Tetrachloride	5.78	117	862	0.296	ug/l #	88
39) Methylcyclohexane	7.46	83	1029	0.284	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.13	78	2326	0.272	ug/l	94
41) Methacrylonitrile	5.05	41	493	0.304	ug/l #	57
42) 1,2-Dichloroethane	6.19	62	1191	0.401	ug/l	83
43) Isopropyl Acetate	6.45	43	1365	0.291	ug/l #	92
44) Trichloroethene	7.22	130	863	0.341	ug/l	91
45) 1,2-Dichloropropane	7.51	63	638	0.293	ug/l #	87
46) Dibromomethane	7.66	93	487	0.313	ug/l	91
47) Bromodichloromethane	7.89	83	737	0.266	ug/l #	87
48) Methyl methacrylate	7.77	41	865	0.378	ug/l #	62
49) 1,4-Dioxane	7.74	88	298	4.655	ug/l #	80
51) 4-Methyl-2-Pentanone	8.64	43	3345	1.098	ug/l	97
52) Toluene	8.78	92	1655	0.295	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	718	0.241	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	725	0.219	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	514	0.222	ug/l #	81
56) Ethyl methacrylate	9.18	69	677	0.200	ug/l #	30
57) 1,3-Dichloropropane	9.37	76	854	0.233	ug/l #	67
58) 2-Chloroethyl Vinyl ether	8.31	63	1424	0.882	ug/l #	87
59) 2-Hexanone	9.50	43	2243	0.950	ug/l	85
61) 1,2-Dibromoethane	9.66	107	695	0.283	ug/l	98
64) Tetrachloroethene	9.34	164	791	0.330	ug/l #	79
65) Chlorobenzene	10.13	112	1910	0.305	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	535	0.243	ug/l #	62
67) Ethyl Benzene	10.25	91	2714	0.254	ug/l	90
68) m/p-Xylenes	10.36	106	2031	0.496	ug/l	97
69) o-Xylene	10.70	106	1149	0.288	ug/l	75
70) Styrene	10.71	104	1549	0.233	ug/l	91
73) Isopropylbenzene	11.02	105	2628	0.265	ug/l	89
74) N-amyl acetate	10.90	43	1038	0.274	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	842	0.259	ug/l #	83
76) 1,2,3-Trichloropropane	11.29	75	590m	0.223	ug/l	
77) Bromobenzene	11.26	156	968	0.354	ug/l	83
78) n-propylbenzene	11.36	91	2969	0.271	ug/l	97
79) 2-Chlorotoluene	11.42	91	1792	0.272	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	2118	0.255	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	221m	0.229	ug/l	
82) 4-Chlorotoluene	11.51	91	2308	0.301	ug/l	91
83) tert-Butylbenzene	11.77	119	1902	0.234	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	2069	0.248	ug/l	99
85) sec-Butylbenzene	11.94	105	2262	0.237	ug/l	97
86) p-Isopropyltoluene	12.07	119	2170	0.246	ug/l #	71
87) 1,3-Dichlorobenzene	12.02	146	1586	0.334	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	1954m	0.401	ug/l	
89) n-Butylbenzene	12.39	91	1940	0.257	ug/l	97
90) Hexachloroethane	12.60	117	302	0.217	ug/l	88
91) 1,2-Dichlorobenzene	12.39	146	1373	0.292	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.00	75	163	0.240	ug/l	73
93) 1,2,4-Trichlorobenzene	13.64	180	986	0.309	ug/l	80
94) Hexachlorobutadiene	13.78	225	495	0.313	ug/l	88
95) Naphthalene	13.83	128	2665	0.283	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	1150	0.362	ug/l	96

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

