

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007862.D
 Acq On : 06 Mar 2019 16:14
 Operator : JC/SP
 Sample : K1560-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:29 AM

Quant Time: Mar 07 08:27:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	275969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172661	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	140398	48.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.46%	
35) Dibromofluoromethane	5.50	113	121523	48.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	466832	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	162645	50.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4876	2.068	ug/l	97
3) Chloromethane	1.33	50	6538	2.152	ug/l	99
4) Vinyl Chloride	1.41	62	6147	2.036	ug/l	97
5) Bromomethane	1.64	94	3426	1.320	ug/l	97
6) Chloroethane	1.71	64	3493m	1.742	ug/l	
7) Trichlorofluoromethane	1.92	101	7705	1.960	ug/l	92
8) Diethyl Ether	2.19	74	3342	1.963	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5114	2.099	ug/l	98
10) Methyl Iodide	2.51	142	34024	9.846	ug/l	100
11) Tert butyl alcohol	3.09	59	31549	48.459	ug/l	98
12) 1,1-Dichloroethene	2.37	96	4792	2.041	ug/l	92
13) Acrolein	2.30	56	26500	73.025	ug/l	98
14) Allyl chloride	2.73	41	9315	1.888	ug/l	97
15) Acrylonitrile	3.15	53	16400	9.980	ug/l	99
16) Acetone	2.45	43	18297	10.859	ug/l	99
17) Carbon Disulfide	2.56	76	15417	1.728	ug/l	100
18) Methyl Acetate	2.78	43	7464	2.085	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	16212	2.007	ug/l	95
20) Methylene Chloride	2.85	84	5702	2.126	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	5359	2.074	ug/l	91
22) Diisopropyl ether	3.87	45	18436	2.038	ug/l	96
23) Vinyl Acetate	3.82	43	77843	9.815	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9820	2.018	ug/l	98
25) 2-Butanone	4.70	43	23721	9.944	ug/l	95
26) 2,2-Dichloropropane	4.58	77	6060	1.879	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	5957	2.015	ug/l	91
28) Bromochloromethane	5.02	49	4853	2.139	ug/l #	99
29) Tetrahydrofuran	5.15	42	14428	9.696	ug/l	98
30) Chloroform	5.21	83	9182	1.994	ug/l	94
31) Cyclohexane	5.57	56	8936	1.998	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	7153	1.873	ug/l	96
36) 1,1-Dichloropropene	5.79	75	7517	2.110	ug/l	99
37) Ethyl Acetate	4.85	43	8581	2.030	ug/l	99
38) Carbon Tetrachloride	5.77	117	6413	1.897	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8952	2.074	ug/l	96
40) Benzene	6.14	78	21878	2.063	ug/l	100
41) Methacrylonitrile	5.06	41	4693	2.037	ug/l	95
42) 1,2-Dichloroethane	6.20	62	7306	2.107	ug/l	99
43) Isopropyl Acetate	6.46	43	11992	1.917	ug/l	100
44) Trichloroethene	7.21	130	5856	2.004	ug/l	98
45) 1,2-Dichloropropane	7.51	63	5817	2.077	ug/l	89
46) Dibromomethane	7.66	93	3497	1.973	ug/l	97
47) Bromodichloromethane	7.90	83	6591	1.961	ug/l	98
48) Methyl methacrylate	7.77	41	6110	1.858	ug/l	97
49) 1,4-Dioxane	7.76	88	2590	38.336	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	38080	9.466	ug/l	100
52) Toluene	8.78	92	13496	2.085	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5798	1.653	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	6575	1.660	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	5260	2.007	ug/l	98
56) Ethyl methacrylate	9.18	69	7668	1.949	ug/l	97
57) 1,3-Dichloropropane	9.37	76	8995	2.044	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	21478	10.552	ug/l	99
59) 2-Hexanone	9.49	43	30167	9.659	ug/l	97
60) Dibromochloromethane	9.58	129	4815	1.758	ug/l	99
61) 1,2-Dibromoethane	9.67	107	5447	1.958	ug/l	99
64) Tetrachloroethene	9.33	164	6039	2.097	ug/l	90
65) Chlorobenzene	10.13	112	15029	2.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	4623	1.773	ug/l #	63
67) Ethyl Benzene	10.25	91	24500	2.046	ug/l	99
68) m/p-Xylenes	10.36	106	17982	3.896	ug/l	95
69) o-Xylene	10.70	106	8705	1.954	ug/l	97
70) Styrene	10.71	104	13542	1.857	ug/l	98
71) Bromoform	10.86	173	3667	1.638	ug/l #	99
73) Isopropylbenzene	11.02	105	23393	2.003	ug/l	100
74) N-amyl acetate	10.90	43	9547	1.791	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	8144	2.022	ug/l	96
76) 1,2,3-Trichloropropane	11.30	75	7420m	2.048	ug/l	
77) Bromobenzene	11.26	156	6477	2.023	ug/l	97
78) n-propylbenzene	11.36	91	25835	1.994	ug/l	100
79) 2-Chlorotoluene	11.42	91	16067	2.028	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	19192	1.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1707m	1.506	ug/l	
82) 4-Chlorotoluene	11.51	91	18335	2.020	ug/l	99
83) tert-Butylbenzene	11.77	119	18710	1.933	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	19546	1.984	ug/l	97
85) sec-Butylbenzene	11.94	105	22589	1.981	ug/l	100
86) p-Isopropyltoluene	12.06	119	19999	1.959	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	11598	2.048	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	12238	2.110	ug/l	90
89) n-Butylbenzene	12.39	91	16276	1.881	ug/l	98
90) Hexachloroethane	12.60	117	3089	1.809	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	11658	2.072	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1559	1.852	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7481	1.893	ug/l	96
94) Hexachlorobutadiene	13.78	225	4360	2.110	ug/l	98
95) Naphthalene	13.83	128	19632	1.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	7498	1.904	ug/l	99

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

