

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007878.D
 Acq On : 07 Mar 2019 12:36
 Operator : JC/SP
 Sample : K1560-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:40:34 AM

Quant Time: Mar 08 06:18:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 06:11:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	286886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	419072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	364759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	155650	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	5.50	113	134701	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	8.71	98	497602	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.13	95	169900	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	1404	0.573	ug/l	89
3) Chloromethane	1.33	50	2234	0.707	ug/l	98
4) Vinyl Chloride	1.41	62	1700	0.542	ug/l #	86
5) Bromomethane	1.64	94	1583	0.829	ug/l	85
6) Chloroethane	1.72	64	1363	0.654	ug/l #	85
7) Trichlorofluoromethane	1.93	101	2499	0.612	ug/l	93
8) Diethyl Ether	2.19	74	1123	0.635	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1553	0.613	ug/l	94
10) Methyl Iodide	2.51	142	8574	2.387	ug/l	98
11) Tert butyl alcohol	3.06	59	10553	15.593	ug/l	99
12) 1,1-Dichloroethene	2.37	96	1494	0.612	ug/l	90
13) Acrolein	2.29	56	6818	19.233	ug/l	97
14) Allyl chloride	2.73	41	2884	0.562	ug/l #	84
15) Acrylonitrile	3.15	53	5333	3.122	ug/l	99
16) Acetone	2.45	43	5239	2.991	ug/l	93
17) Carbon Disulfide	2.57	76	5319	0.271	ug/l #	93
18) Methyl Acetate	2.78	43	2284	0.614	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	5091	0.606	ug/l	91
20) Methylene Chloride	2.86	84	2119	0.760	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1564	0.582	ug/l	81
22) Diisopropyl ether	3.86	45	5832	0.620	ug/l #	90
23) Vinyl Acetate	3.82	43	24207	2.936	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3107	0.614	ug/l #	90
25) 2-Butanone	4.70	43	7114	2.869	ug/l	96
26) 2,2-Dichloropropane	4.57	77	1981	0.591	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	1863	0.606	ug/l	90
28) Bromochloromethane	5.03	49	1442	0.611	ug/l #	99
29) Tetrahydrofuran	5.15	42	4523	2.924	ug/l	96
30) Chloroform	5.21	83	2773	0.579	ug/l #	78
31) Cyclohexane	5.57	56	2544	0.547	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	2288	0.576	ug/l #	51
36) 1,1-Dichloropropene	5.79	75	2081	0.548	ug/l	93
37) Ethyl Acetate	4.86	43	2809	0.624	ug/l	96
38) Carbon Tetrachloride	5.77	117	2137	0.593	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2610	0.568	ug/l	94
40) Benzene	6.13	78	6504	0.576	ug/l	94
41) Methacrylonitrile	5.06	41	1644	0.670	ug/l	95
42) 1,2-Dichloroethane	6.19	62	2012	0.545	ug/l	97
43) Isopropyl Acetate	6.46	43	3477	0.522	ug/l	98
44) Trichloroethene	7.21	130	1902	0.611	ug/l	99
45) 1,2-Dichloropropane	7.52	63	1562	0.524	ug/l	93
46) Dibromomethane	7.66	93	1077	0.570	ug/l	97
47) Bromodichloromethane	7.90	83	1859	0.519	ug/l	92
48) Methyl methacrylate	7.78	41	1954	0.558	ug/l	91
49) 1,4-Dioxane	7.75	88	731	10.156	ug/l #	80
51) 4-Methyl-2-Pentanone	8.65	43	11151	2.602	ug/l	96
52) Toluene	8.78	92	4032	0.585	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	1635	0.438	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	1987	0.471	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	1629	0.583	ug/l	89
56) Ethyl methacrylate	9.18	69	2038	0.486	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	2601	0.555	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	4483	2.067	ug/l	100
59) 2-Hexanone	9.49	43	8162	2.453	ug/l	95
60) Dibromochloromethane	9.58	129	1443	0.494	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1540	0.520	ug/l	97
64) Tetrachloroethene	9.34	164	1874	0.620	ug/l #	91
65) Chlorobenzene	10.13	112	4423	0.579	ug/l	89
66) 1,1,1,2-Tetrachloroethane	10.22	131	1328	0.485	ug/l #	66
67) Ethyl Benzene	10.25	91	6836	0.544	ug/l	96
68) m/p-Xylenes	10.36	106	5027	1.038	ug/l	95
69) o-Xylene	10.70	106	2419	0.517	ug/l	95
70) Styrene	10.71	104	3913	0.511	ug/l	97
71) Bromoform	10.86	173	1031	0.439	ug/l #	99
73) Isopropylbenzene	11.02	105	6474	0.554	ug/l	99
74) N-amyl acetate	10.90	43	2684	0.503	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2381	0.591	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	1937m	0.535	ug/l	
77) Bromobenzene	11.26	156	1958	0.612	ug/l	94
78) n-propylbenzene	11.36	91	7437	0.574	ug/l	95
79) 2-Chlorotoluene	11.42	91	4775	0.603	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	5189	0.540	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	500m	0.441	ug/l	
82) 4-Chlorotoluene	11.51	91	5124	0.565	ug/l	100
83) tert-Butylbenzene	11.77	119	5630	0.582	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	5140	0.522	ug/l	99
85) sec-Butylbenzene	11.94	105	6118	0.537	ug/l	100
86) p-Isopropyltoluene	12.07	119	5476	0.536	ug/l	89
87) 1,3-Dichlorobenzene	12.02	146	3353	0.592	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	3640m	0.628	ug/l	
89) n-Butylbenzene	12.38	91	4350	0.503	ug/l	96
90) Hexachloroethane	12.60	117	802	0.470	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	3406	0.605	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	422	0.501	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2330	0.589	ug/l	89
94) Hexachlorobutadiene	13.78	225	1265	0.612	ug/l	98
95) Naphthalene	13.83	128	5839	0.513	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.02	180	2129	0.541	ug/l	94

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

