

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007861.D
 Acq On : 06 Mar 2019 15:40
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 11:08:50 AM

Quant Time: Apr 16 11:07:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 10:59:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	311032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	443629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	394213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	166505	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	5.50	113	142970	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.71	98	543385	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.13	95	188087	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1351	0.508	ug/l	96
3) Chloromethane	1.33	50	1939	0.566	ug/l	97
4) Vinyl Chloride	1.41	62	1700	0.500	ug/l	98
5) Bromomethane	1.64	94	1263	0.610	ug/l	97
6) Chloroethane	1.72	64	1269m	0.561	ug/l	
7) Trichlorofluoromethane	1.93	101	2233	0.504	ug/l	99
8) Diethyl Ether	2.19	74	1014	0.529	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1469	0.535	ug/l	95
10) Methyl Iodide	2.51	142	8213	2.109	ug/l	98
11) Tert butyl alcohol	3.06	59	10189	13.886	ug/l	99
12) 1,1-Dichloroethene	2.38	96	1383	0.523	ug/l	86
13) Acrolein	2.29	56	8846	19.965	ug/l	100
14) Allyl chloride	2.73	41	2475	0.445	ug/l #	82
15) Acrylonitrile	3.15	53	4956	2.676	ug/l	99
16) Acetone	2.45	43	5751	3.028	ug/l	90
17) Carbon Disulfide	2.57	76	5134	0.578	ug/l	96
18) Methyl Acetate	2.78	43	2177	0.540	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	4633	0.509	ug/l	94
20) Methylene Chloride	2.85	84	1975	0.653	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	1705	0.586	ug/l	96
22) Diisopropyl ether	3.87	45	5396	0.529	ug/l #	98
23) Vinyl Acetate	3.82	43	21460	2.401	ug/l	97
24) 1,1-Dichloroethane	3.70	63	2697	0.492	ug/l #	90
25) 2-Butanone	4.70	43	7057	2.625	ug/l	96
26) 2,2-Dichloropropane	4.59	77	1787	0.492	ug/l #	74
27) cis-1,2-Dichloroethene	4.60	96	1646	0.494	ug/l	68
28) Bromochloromethane	5.01	49	1282	0.501	ug/l #	99
29) Tetrahydrofuran	5.17	42	4409	2.629	ug/l	95
30) Chloroform	5.21	83	2581	0.497	ug/l #	79
31) Cyclohexane	5.58	56	2596	0.515	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	2007	0.466	ug/l #	45
36) 1,1-Dichloropropene	5.79	75	2360	0.588	ug/l	99
37) Ethyl Acetate	4.86	43	2628	0.551	ug/l #	85
38) Carbon Tetrachloride	5.78	117	1894	0.497	ug/l #	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2435	0.500	ug/l	98
40) Benzene	6.14	78	6103	0.510	ug/l #	87
41) Methacrylonitrile	5.07	41	1470	0.566	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	2160	0.552	ug/l	89
43) Isopropyl Acetate	6.46	43	3303	0.468	ug/l	98
44) Trichloroethene	7.21	130	1636	0.496	ug/l	93
45) 1,2-Dichloropropane	7.52	63	1507	0.477	ug/l #	87
46) Dibromomethane	7.66	93	1049	0.525	ug/l	88
47) Bromodichloromethane	7.90	83	1751	0.462	ug/l	93
48) Methyl methacrylate	7.77	41	1834	0.494	ug/l	98
49) 1,4-Dioxane	7.76	88	728	9.555	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	10441	2.301	ug/l	99
52) Toluene	8.79	92	3913	0.536	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	1518	0.384	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	1806	0.404	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	1482	0.501	ug/l	97
56) Ethyl methacrylate	9.18	69	2141	0.482	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	2309	0.465	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	5277	2.299	ug/l	95
59) 2-Hexanone	9.49	43	8092	2.297	ug/l	93
60) Dibromochloromethane	9.58	129	1310	0.424	ug/l	96
61) 1,2-Dibromoethane	9.67	107	1493	0.476	ug/l	99
64) Tetrachloroethene	9.34	164	1699	0.520	ug/l	92
65) Chlorobenzene	10.13	112	4252	0.515	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	1287	0.435	ug/l #	63
67) Ethyl Benzene	10.25	91	6572	0.484	ug/l	97
68) m/p-Xylenes	10.36	106	4658	0.890	ug/l	93
69) o-Xylene	10.70	106	2364	0.468	ug/l	98
70) Styrene	10.71	104	3603	0.436	ug/l	98
71) Bromoform	10.85	173	943	0.371	ug/l #	97
73) Isopropylbenzene	11.02	105	6116	0.480	ug/l	98
74) N-amyl acetate	10.90	43	2350	0.404	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2281	0.519	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2066m	0.523	ug/l	
77) Bromobenzene	11.25	156	1936	0.554	ug/l	97
78) n-propylbenzene	11.36	91	6946	0.491	ug/l	96
79) 2-Chlorotoluene	11.42	91	4453	0.515	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	4977	0.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	86164	69.663	ug/l #	11
82) 4-Chlorotoluene	11.51	91	5220	0.527	ug/l	99
83) tert-Butylbenzene	11.77	119	4975	0.471	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	4905	0.456	ug/l	97
85) sec-Butylbenzene	11.94	105	5786	0.465	ug/l	100
86) p-Isopropyltoluene	12.06	119	4927	0.442	ug/l	87
87) 1,3-Dichlorobenzene	12.02	146	3247	0.525	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	3511m	0.555	ug/l	
89) n-Butylbenzene	12.38	91	4047	0.429	ug/l	96
90) Hexachloroethane	12.60	117	792	0.425	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	3027	0.493	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.00	75	370	0.403	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	1945	0.451	ug/l	95
94) Hexachlorobutadiene	13.78	225	1152	0.511	ug/l	94
95) Naphthalene	13.83	128	5016	0.404	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1958	0.456	ug/l	99

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

