

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX032919\
 Data File : VX008545.D
 Acq On : 29 Mar 2019 15:49
 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
 3/30/2019 9:50:43 AM

Quant Time: Mar 30 00:49:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	145829	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	5.50	113	105916	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	8.71	98	424227	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.13	95	152584	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1561	0.675	ug/l	92
4) Vinyl Chloride	1.40	62	1938	0.600	ug/l #	84
5) Bromomethane	1.64	94	1225	2.504	ug/l	91
6) Chloroethane	1.72	64	992	0.518	ug/l	96
7) Trichlorofluoromethane	1.93	101	2593	0.709	ug/l	93
8) Diethyl Ether	2.19	74	1357	0.784	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1632	0.738	ug/l	96
10) Methyl Iodide	2.51	142	665	4.413	ug/l #	88
11) Tert butyl alcohol	3.04	59	2630	3.989	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	1669	0.731	ug/l	84
13) Acrolein	2.29	56	235	0.491	ug/l #	14
14) Allyl chloride	2.73	41	4107	0.816	ug/l	92
15) Acrylonitrile	3.14	53	6318	3.655	ug/l	97
16) Acetone	2.44	43	6471	4.161	ug/l	95
17) Carbon Disulfide	2.57	76	5294	0.428	ug/l	100
18) Methyl Acetate	2.78	43	2839	0.760	ug/l #	90
19) Methyl tert-butyl Ether	3.20	73	5960	0.724	ug/l	98
20) Methylene Chloride	2.85	84	2740	0.445	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	1908	0.571	ug/l	99
22) Diisopropyl ether	3.85	45	7189	0.726	ug/l #	65
23) Vinyl Acetate	3.82	43	27734	3.209	ug/l	100
24) 1,1-Dichloroethane	3.70	63	3573	0.714	ug/l	98
25) 2-Butanone	4.68	43	9533	3.824	ug/l	94
26) 2,2-Dichloropropane	4.59	77	2476	0.744	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	2933	1.050	ug/l	88
28) Bromochloromethane	5.01	49	2153	0.871	ug/l #	89
29) Tetrahydrofuran	5.14	42	5941	3.615	ug/l #	90
30) Chloroform	5.21	83	3444	0.763	ug/l	84
31) Cyclohexane	5.58	56	3378	0.708	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	2545	0.705	ug/l #	47
36) 1,1-Dichloropropene	5.79	75	2701	0.761	ug/l	95
37) Ethyl Acetate	4.84	43	3587	0.780	ug/l #	91
38) Carbon Tetrachloride	5.78	117	2317	0.782	ug/l	92
39) Methylcyclohexane	7.46	83	3082	0.727	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	8013	0.754	ug/l	91
41) Methacrylonitrile	5.04	41	1724	0.667	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	3348	0.861	ug/l	95
43) Isopropyl Acetate	6.45	43	5325	0.724	ug/l	99
44) Trichloroethene	7.22	130	1851	0.742	ug/l	91
45) 1,2-Dichloropropane	7.51	63	2330	0.772	ug/l	94
46) Dibromomethane	7.67	93	1340	0.760	ug/l	91
47) Bromodichloromethane	7.90	83	2129	0.631	ug/l #	91
48) Methyl methacrylate	7.77	41	2355	0.640	ug/l #	83
49) 1,4-Dioxane	7.75	88	1099	15.023	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	16337	3.421	ug/l	99
52) Toluene	8.79	92	4939	0.778	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	2405	0.651	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	2596	0.618	ug/l #	92
55) 1,1,2-Trichloroethane	9.21	97	2061	0.797	ug/l	94
56) Ethyl methacrylate	9.18	69	3269	0.700	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	3252	0.701	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	8492	3.520	ug/l	100
59) 2-Hexanone	9.49	43	12292	3.322	ug/l	99
60) Dibromochloromethane	9.58	129	1517	0.617	ug/l	92
61) 1,2-Dibromoethane	9.67	107	1816	0.688	ug/l	97
64) Tetrachloroethene	9.34	164	1583	0.797	ug/l	89
65) Chlorobenzene	10.13	112	4498	0.705	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	1475	0.670	ug/l #	63
67) Ethyl Benzene	10.25	91	8875	0.737	ug/l	98
68) m/p-Xylenes	10.36	106	6299	1.439	ug/l	97
69) o-Xylene	10.70	106	3229	0.760	ug/l	99
70) Stvrene	10.71	104	4695	0.640	ug/l	92
71) Bromoform	10.85	173	1033	0.595	ug/l #	89
73) Isopropylbenzene	11.02	105	7799	0.741	ug/l	99
74) N-amyl acetate	10.90	43	4100	0.673	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	3224	0.790	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	2406m	0.626	ug/l	
77) Bromobenzene	11.26	156	1945	0.762	ug/l	96
78) n-propylbenzene	11.36	91	8794	0.713	ug/l	97
79) 2-Chlorotoluene	11.42	91	5636	0.752	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	6893	0.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	678m	0.565	ug/l	
82) 4-Chlorotoluene	11.51	91	6213	0.718	ug/l	97
83) tert-Butylbenzene	11.77	119	6270	0.731	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	6916	0.769	ug/l	100
85) sec-Butylbenzene	11.94	105	7458	0.730	ug/l	99
86) p-Isopropyltoluene	12.06	119	6840	0.758	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	3146	0.689	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	3295m	0.716	ug/l	
89) n-Butylbenzene	12.38	91	6442	0.754	ug/l	94
90) Hexachloroethane	12.60	117	923	0.614	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	3232	0.707	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	613	0.689	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	2163	0.703	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	1003	0.687	ug/l	92
95) Naphthalene	13.83	128	8851	0.839	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2186	0.707	ug/l	95

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

