

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055073.D
 Acq On : 16 Apr 2019 12:55
 Operator : JC/SP
 Sample : K2241-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 2:46:40 PM

Quant Time: Apr 19 14:44:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 14:38:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	582834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	503029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159568	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	243116	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.59	113	193552	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	683826	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	206441	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	2290	0.570	ug/l	91
3) Chloromethane	2.06	50	3729	0.712	ug/l	95
4) Vinyl Chloride	2.18	62	2326	0.528	ug/l	94
5) Bromomethane	2.55	94	2439	0.979	ug/l	92
6) Chloroethane	2.71	64	1780	0.750	ug/l	98
7) Trichlorofluoromethane	3.02	101	3352	0.609	ug/l #	75
8) Diethyl Ether	3.40	74	1167	0.664	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1949	0.677	ug/l #	81
10) Methyl Iodide	3.95	142	9884	2.211	ug/l	98
11) Tert butyl alcohol	4.82	59	2906	11.289	ug/l #	78
12) 1,1-Dichloroethene	3.72	96	2025	0.722	ug/l	83
13) Acrolein	3.60	56	4291	13.486	ug/l #	81
14) Allyl chloride	4.31	41	4434m	0.646	ug/l	
15) Acrylonitrile	5.00	53	4763m	3.093	ug/l	
16) Acetone	3.81	43	5192	4.073	ug/l	93
17) Carbon Disulfide	4.04	76	6557	0.724	ug/l #	85
18) Methyl Acetate	4.34	43	3521m	0.861	ug/l	
19) Methyl tert-butyl Ether	5.06	73	6317m	0.630	ug/l	
20) Methylene Chloride	4.54	84	4247m	0.948	ug/l	
21) trans-1,2-Dichloroethene	5.03	96	2494m	0.658	ug/l	
22) Diisopropyl ether	5.96	45	8231	0.583	ug/l	94
23) Vinyl Acetate	5.90	43	24269	2.602	ug/l #	86
24) 1,1-Dichloroethane	5.84	63	3848	0.512	ug/l #	85
25) 2-Butanone	6.86	43	3950	2.076	ug/l	98
26) 2,2-Dichloropropane	6.82	77	2747m	0.579	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	2822	0.658	ug/l	90
28) Bromochloromethane	7.19	49	2356m	0.650	ug/l	
29) Tetrahydrofuran	7.23	42	3695	2.962	ug/l #	82
30) Chloroform	7.37	83	4554	0.624	ug/l	88
31) Cyclohexane	7.66	56	11864	1.450	ug/l #	23
32) 1,1,1-Trichloroethane	7.56	97	3083	0.533	ug/l #	38
36) 1,1-Dichloropropene	7.79	75	2760	0.502	ug/l #	81
37) Ethyl Acetate	6.96	43	1662m	0.372	ug/l	
38) Carbon Tetrachloride	7.77	117	3930	0.752	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3164	0.531	ug/l	92
40) Benzene	8.04	78	9589	0.579	ug/l #	87
41) Methacrylonitrile	7.18	41	1434	0.578	ug/l #	52
42) 1,2-Dichloroethane	8.13	62	4563	0.794	ug/l	80
43) Isopropyl Acetate	8.17	43	4497	0.652	ug/l #	83
44) Trichloroethene	8.83	130	2413	0.582	ug/l	91
45) 1,2-Dichloropropane	9.12	63	2542	0.550	ug/l	91
46) Dibromomethane	9.20	93	1495	0.569	ug/l #	88
47) Bromodichloromethane	9.40	83	3011	0.556	ug/l #	86
48) Methyl methacrylate	9.20	41	2363	0.692	ug/l #	80
49) 1,4-Dioxane	9.20	88	371	11.592	ug/l #	46
51) 4-Methyl-2-Pentanone	9.99	43	10529	2.644	ug/l	94
52) Toluene	10.16	92	5771	0.608	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2218	0.468	ug/l	89
54) cis-1,3-Dichloropropene	9.84	75	2759	0.469	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	2140	0.586	ug/l	93
56) Ethyl methacrylate	10.43	69	2639	0.602	ug/l #	76
57) 1,3-Dichloropropane	10.71	76	3977	0.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3779	2.335	ug/l	90
59) 2-Hexanone	10.75	43	6271	2.507	ug/l	98
60) Dibromochloromethane	10.90	129	1788	0.501	ug/l	87
61) 1,2-Dibromoethane	11.00	107	1735	0.516	ug/l	92
64) Tetrachloroethene	10.63	164	2608	0.638	ug/l #	88
65) Chlorobenzene	11.43	112	5634	0.556	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	1875	0.503	ug/l #	63
67) Ethyl Benzene	11.51	91	10274	0.568	ug/l	91
68) m/p-Xylenes	11.62	106	6985	1.067	ug/l	98
69) o-Xylene	11.95	106	3375	0.532	ug/l	94
70) Styrene	11.96	104	5198	0.506	ug/l	95
71) Bromoform	12.13	173	1041	0.488	ug/l #	29
73) Isopropylbenzene	12.25	105	8948	0.632	ug/l	96
74) N-amyl acetate	12.07	43	2945	0.739	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	2523	0.666	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	2172m	0.757	ug/l	
77) Bromobenzene	12.53	156	2212	0.627	ug/l	74
78) n-propylbenzene	12.59	91	9850	0.644	ug/l	99
79) 2-Chlorotoluene	12.67	91	6599	0.692	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	7922	0.693	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.29	75	290m	0.404	ug/l	
82) 4-Chlorotoluene	12.77	91	5673	0.637	ug/l	100
83) tert-Butylbenzene	12.99	119	5858	0.607	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	6104	0.564	ug/l	96
85) sec-Butylbenzene	13.17	105	7545	0.614	ug/l	99
86) p-Isopropyltoluene	13.29	119	6334	0.600	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	3661	0.682	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	3346m	0.654	ug/l	
89) n-Butylbenzene	13.62	91	5076	0.648	ug/l	100
90) Hexachloroethane	13.87	117	1173	0.683	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	3263	0.604	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	301	0.645	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1587	0.772	ug/l	97
94) Hexachlorobutadiene	15.01	225	1501	0.900	ug/l	90
95) Naphthalene	15.13	128	3028	0.663	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1825	0.876	ug/l #	58

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

