

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054797.D
 Acq On : 30 Mar 2019 12:53
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:48 PM

Quant Time: Apr 01 14:50:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	388187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	654808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	193976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286318	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.59	113	216291	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	794898	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	240705	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	4374	1.114 ug/l	100
3) Chloromethane	2.06	50	6007	1.106 ug/l	94
4) Vinyl Chloride	2.19	62	5211	1.069 ug/l	100
5) Bromomethane	2.57	94	3734	Below Cal	98
6) Chloroethane	2.71	64	2818	1.035 ug/l	95
7) Trichlorofluoromethane	3.02	101	6188	1.032 ug/l	98
8) Diethyl Ether	3.41	74	2165	1.122 ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	3227	1.023 ug/l	96
12) 1,1-Dichloroethene	3.72	96	3414	1.119 ug/l #	78
14) Allyl chloride	4.32	41	7989	1.063 ug/l #	81
15) Acrylonitrile	5.01	53	7686	5.072 ug/l	94
16) Acetone	3.82	43	7588	6.081 ug/l #	81
17) Carbon Disulfide	4.04	76	10016	1.012 ug/l #	94
18) Methyl Acetate	4.33	43	4415	0.447 ug/l #	67
19) Methyl tert-butyl Ether	5.06	73	11330m	1.061 ug/l	
20) Methylene Chloride	4.54	84	5365	1.219 ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	4051	1.011 ug/l	98
22) Diisopropyl ether	5.96	45	14055	0.945 ug/l #	84
23) Vinyl Acetate	5.91	43	46425	4.488 ug/l #	93
24) 1,1-Dichloroethane	5.85	63	8016	1.011 ug/l #	95
25) 2-Butanone	6.87	43	10271m	5.568 ug/l	
27) cis-1,2-Dichloroethene	6.83	96	4349	0.961 ug/l	85
28) Bromochloromethane	7.20	49	4388	1.107 ug/l #	67
29) Tetrahydrofuran	7.23	42	7209	5.627 ug/l #	81
30) Chloroform	7.37	83	8037	1.063 ug/l	95
32) 1,1,1-Trichloroethane	7.58	97	6360	1.015 ug/l #	49
36) 1,1-Dichloropropene	7.79	75	7173	1.176 ug/l #	81
37) Ethyl Acetate	6.94	43	2743	0.613 ug/l #	90
38) Carbon Tetrachloride	7.77	117	6978	1.177 ug/l #	90
39) Methylcyclohexane	9.08	83	6117	0.912 ug/l #	81
40) Benzene	8.04	78	16707	0.957 ug/l	94
41) Methacrylonitrile	7.18	41	1563	0.622 ug/l #	73
42) 1,2-Dichloroethane	8.12	62	6807	1.092 ug/l	84
43) Isopropyl Acetate	8.17	43	8389	1.154 ug/l #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.84	130	4414	0.974	ug/l	94
45) 1,2-Dichloropropane	9.12	63	5007	1.006	ug/l	95
46) Dibromomethane	9.21	93	2747	0.981	ug/l #	86
47) Bromodichloromethane	9.41	83	4975	0.855	ug/l #	97
48) Methyl methacrylate	9.20	41	4299	1.091	ug/l #	70
49) 1,4-Dioxane	9.20	88	907	23.195	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	20021	4.898	ug/l	93
52) Toluene	10.16	92	9381	0.903	ug/l	94
53) t-1,3-Dichloropropene	10.39	75	4506	0.823	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	5072	0.776	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	3956	1.024	ug/l	94
56) Ethyl methacrylate	10.43	69	4427	0.874	ug/l #	77
57) 1,3-Dichloropropane	10.71	76	6586	0.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	8675	14.164	ug/l #	88
59) 2-Hexanone	10.76	43	13546	5.177	ug/l	83
60) Dibromochloromethane	10.90	129	3295	0.842	ug/l	92
61) 1,2-Dibromoethane	11.01	107	3185	0.863	ug/l	96
64) Tetrachloroethene	10.63	164	4350	1.027	ug/l	96
65) Chlorobenzene	11.43	112	10521	0.973	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	3347	0.827	ug/l #	65
67) Ethyl Benzene	11.51	91	17017	0.872	ug/l	92
68) m/p-Xylenes	11.62	106	12783	1.771	ug/l	97
69) o-Xylene	11.95	106	6273	0.886	ug/l	92
70) Styrene	11.97	104	9187	0.812	ug/l	90
71) Bromoform	12.13	173	1852	0.781	ug/l #	100
73) Isopropylbenzene	12.25	105	16141	1.018	ug/l	99
74) N-amyl acetate	12.07	43	4415	0.894	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	4345	Below Cal		94
76) 1,2,3-Trichloropropane	12.55	75	3947m	1.171	ug/l	
77) Bromobenzene	12.53	156	3753	0.981	ug/l	68
78) n-propylbenzene	12.59	91	17752	1.019	ug/l	92
79) 2-Chlorotoluene	12.67	91	11196	1.038	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	12525	0.963	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	579m	0.668	ug/l	
82) 4-Chlorotoluene	12.77	91	10848	1.036	ug/l	91
83) tert-Butylbenzene	12.99	119	11391	Below Cal		94
84) 1,2,4-Trimethylbenzene	13.04	105	12238	0.987	ug/l	95
85) sec-Butylbenzene	13.17	105	14067	0.995	ug/l	98
86) p-Isopropyltoluene	13.29	119	10966	0.880	ug/l	92
87) 1,3-Dichlorobenzene	13.28	146	6260	0.977	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	5729m	0.912	ug/l	
89) n-Butylbenzene	13.62	91	7946	0.781	ug/l	93
90) Hexachloroethane	13.88	117	1951	0.922	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	6683	1.034	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	417	0.769	ug/l	75
93) 1,2,4-Trichlorobenzene	14.90	180	2343	0.752	ug/l	91
94) Hexachlorobutadiene	15.01	225	2337	Below Cal		89
95) Naphthalene	15.14	128	5862	0.838	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2612	0.830	ug/l	93

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

