

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056706.D
 Acq On : 15 Jul 2019 12:56
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:31 AM

Quant Time: Jul 16 07:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 06:46:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	325219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	508089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	184733	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	155680	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	10.09	98	592003	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	170062	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1658	0.543	ug/l	100
3) Chloromethane	2.06	50	2239	0.545	ug/l	94
4) Vinyl Chloride	2.18	62	1961	0.496	ug/l #	86
5) Bromomethane	2.56	94	1816	0.781	ug/l	96
6) Chloroethane	2.70	64	1041	0.452	ug/l #	42
7) Trichlorofluoromethane	3.01	101	2617	0.516	ug/l	92
8) Diethyl Ether	3.41	74	955	0.483	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1353	0.444	ug/l #	86
10) Methyl Iodide	3.96	142	1526	0.374	ug/l #	68
11) Tert butyl alcohol	4.79	59	1365	2.280	ug/l #	73
12) 1,1-Dichloroethene	3.73	96	1355	0.443	ug/l #	88
13) Acrolein	3.62	56	925	4.257	ug/l	87
14) Allyl chloride	4.32	41	2549	0.482	ug/l #	43
15) Acrylonitrile	5.00	53	3783	2.188	ug/l #	85
16) Acetone	3.82	43	4435	2.675	ug/l	92
17) Carbon Disulfide	4.05	76	4331	0.536	ug/l #	75
18) Methyl Acetate	4.33	43	4585m	1.031	ug/l	
19) Methyl tert-butyl Ether	5.04	73	4358m	0.447	ug/l	
20) Methylene Chloride	4.55	84	2285	0.631	ug/l #	92
21) trans-1,2-Dichloroethene	5.05	96	1485m	0.460	ug/l	
22) Diisopropyl ether	5.95	45	4997	0.479	ug/l	90
23) Vinyl Acetate	5.90	43	17298	2.045	ug/l	96
24) 1,1-Dichloroethane	5.84	63	2767m	0.457	ug/l	
25) 2-Butanone	6.85	43	5394	2.226	ug/l	96
26) 2,2-Dichloropropane	6.81	77	1905m	0.437	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	1801	0.484	ug/l #	8
28) Bromochloromethane	7.20	49	1261	0.443	ug/l #	97
29) Tetrahydrofuran	7.22	42	3728	2.358	ug/l #	64
30) Chloroform	7.38	83	3611	0.596	ug/l	94
31) Cyclohexane	7.66	56	7944	1.381	ug/l #	6
32) 1,1,1-Trichloroethane	7.57	97	2185	0.456	ug/l #	46
36) 1,1-Dichloropropene	7.79	75	2655	0.565	ug/l #	74
37) Ethyl Acetate	6.95	43	2206	0.476	ug/l #	68
38) Carbon Tetrachloride	7.77	117	2330	0.528	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	2609	0.449	ug/l #	91
40) Benzene	8.04	78	7092	0.492	ug/l	95
41) Methacrylonitrile	7.21	41	1846	0.907	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	2399	0.527	ug/l #	73
43) Isopropyl Acetate	8.17	43	3406	0.468	ug/l #	73
44) Trichloroethene	8.83	130	1924	0.492	ug/l	83
45) 1,2-Dichloropropane	9.12	63	1715	0.448	ug/l	91
46) Dibromomethane	9.22	93	1198	0.505	ug/l	89
47) Bromodichloromethane	9.40	83	2128	0.472	ug/l #	91
48) Methyl methacrylate	9.20	41	1654	0.469	ug/l	89
49) 1,4-Dioxane	9.20	88	677	9.365	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	10899	2.310	ug/l	96
52) Toluene	10.16	92	4341	0.507	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	1650	0.351	ug/l #	56
54) cis-1,3-Dichloropropene	9.84	75	2081	0.381	ug/l #	81
55) 1,1,2-Trichloroethane	10.56	97	1554	0.433	ug/l #	87
56) Ethyl methacrylate	10.43	69	2114	0.409	ug/l #	93
57) 1,3-Dichloropropane	10.71	76	2793	0.477	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.70	63	5068	2.041	ug/l	98
59) 2-Hexanone	10.76	43	7917	2.338	ug/l	89
60) Dibromochloromethane	10.90	129	1273	0.361	ug/l	91
61) 1,2-Dibromoethane	11.00	107	1603	0.449	ug/l	97
64) Tetrachloroethene	10.63	164	2080	0.567	ug/l	91
65) Chlorobenzene	11.43	112	4595	0.528	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	1366	0.427	ug/l #	65
67) Ethyl Benzene	11.51	91	6958	0.455	ug/l	95
68) m/p-Xylenes	11.62	106	5124	0.897	ug/l	91
69) o-Xylene	11.94	106	2589	0.461	ug/l	95
70) Styrene	11.96	104	3560	0.392	ug/l	94
71) Bromoform	12.13	173	882	0.362	ug/l #	97
73) Isopropylbenzene	12.25	105	6609	0.594	ug/l	100
74) N-amyl acetate	12.07	43	1924	0.464	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	2311	0.618	ug/l #	94
76) 1,2,3-Trichloropropane	12.56	75	1909m	0.633	ug/l	
77) Bromobenzene	12.53	156	1635	0.562	ug/l	88
78) n-propylbenzene	12.59	91	6990	0.566	ug/l	94
79) 2-Chlorotoluene	12.68	91	4195	0.549	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	5363	0.569	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	214m	0.219	ug/l	
82) 4-Chlorotoluene	12.77	91	4126	0.569	ug/l	96
83) tert-Butylbenzene	12.99	119	4560	0.556	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	4976	0.540	ug/l	97
85) sec-Butylbenzene	13.17	105	6462	0.617	ug/l	100
86) p-Isopropyltoluene	13.29	119	5134	0.541	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	2696	0.565	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	2738m	0.590	ug/l	
89) n-Butylbenzene	13.61	91	3637	0.476	ug/l	96
90) Hexachloroethane	13.88	117	690	0.450	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	2532	0.519	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.27	75	140	0.235	ug/l #	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1590	0.712	ug/l	87
94) Hexachlorobutadiene	15.00	225	1094	0.630	ug/l	92
95) Naphthalene	15.13	128	3373	0.563	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1756	0.762	ug/l	95

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

