

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056707.D
 Acq On : 15 Jul 2019 13:20
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:32 AM

Quant Time: Jul 16 07:03:45 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	7.67	168	330569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	529815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193112	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	163051	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.09	98	613617	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	179097	41.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	2132	0.687	ug/l	98
3) Chloromethane	2.06	50	3365	0.806	ug/l #	88
4) Vinyl Chloride	2.18	62	3111	0.774	ug/l	91
5) Bromomethane	2.56	94	2304	0.975	ug/l	94
6) Chloroethane	2.70	64	1925	0.822	ug/l #	86
7) Trichlorofluoromethane	3.01	101	3830	0.743	ug/l #	81
8) Diethyl Ether	3.42	74	1483m	0.738	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.76	101	2281	0.736	ug/l	94
10) Methyl Iodide	3.95	142	2107	0.508	ug/l #	80
11) Tert butyl alcohol	4.80	59	1905	3.130	ug/l #	73
12) 1,1-Dichloroethene	3.73	96	2255	0.726	ug/l	94
13) Acrolein	3.61	56	1271	5.754	ug/l	92
14) Allyl chloride	4.31	41	4154	0.773	ug/l	98
15) Acrylonitrile	5.00	53	6127m	3.486	ug/l	
16) Acetone	3.83	43	6505	3.860	ug/l	98
17) Carbon Disulfide	4.05	76	6220	0.757	ug/l #	92
18) Methyl Acetate	4.34	43	5893	1.304	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	7457	0.753	ug/l #	87
20) Methylene Chloride	4.55	84	3252	0.883	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	2356m	0.717	ug/l	
22) Diisopropyl ether	5.95	45	7513	0.708	ug/l #	71
23) Vinyl Acetate	5.91	43	26625	3.097	ug/l	100
24) 1,1-Dichloroethane	5.85	63	4534	0.737	ug/l #	83
25) 2-Butanone	6.85	43	8461	3.435	ug/l	99
26) 2,2-Dichloropropane	6.82	77	3425	0.772	ug/l	77
27) cis-1,2-Dichloroethene	6.84	96	2826	0.748	ug/l	87
28) Bromochloromethane	7.19	49	1939	0.671	ug/l #	97
29) Tetrahydrofuran	7.22	42	5942	3.698	ug/l #	84
30) Chloroform	7.37	83	4985	0.810	ug/l	98
31) Cyclohexane	7.66	56	9120	1.560	ug/l #	12
32) 1,1,1-Trichloroethane	7.58	97	3551	0.730	ug/l #	45
36) 1,1-Dichloropropene	7.79	75	3843	0.784	ug/l	92
37) Ethyl Acetate	6.94	43	1328	0.275	ug/l #	87
38) Carbon Tetrachloride	7.77	117	3277	0.713	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4193	0.693	ug/l	98
40) Benzene	8.04	78	11251	0.749	ug/l	97
41) Methacrylonitrile	7.18	41	1052	0.496	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	3914	0.824	ug/l	89
43) Isopropyl Acetate	8.17	43	5244	0.690	ug/l #	81
44) Trichloroethene	8.84	130	3136	0.769	ug/l	96
45) 1,2-Dichloropropane	9.12	63	2676	0.670	ug/l	95
46) Dibromomethane	9.22	93	1788	0.723	ug/l	93
47) Bromodichloromethane	9.40	83	3084	0.656	ug/l #	90
48) Methyl methacrylate	9.20	41	2497	0.680	ug/l	89
49) 1,4-Dioxane	9.20	88	863	11.448	ug/l #	68
51) 4-Methyl-2-Pentanone	9.99	43	17394	3.535	ug/l	95
52) Toluene	10.16	92	6134	0.688	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	3140	0.640	ug/l #	85
54) cis-1,3-Dichloropropene	9.84	75	3429	0.603	ug/l #	94
55) 1,1,2-Trichloroethane	10.56	97	2623	0.701	ug/l	93
56) Ethyl methacrylate	10.43	69	3258	0.605	ug/l	96
57) 1,3-Dichloropropane	10.71	76	4259	0.697	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	7812	3.017	ug/l	98
59) 2-Hexanone	10.75	43	11865	3.361	ug/l	93
60) Dibromochloromethane	10.90	129	2356	0.640	ug/l	94
61) 1,2-Dibromoethane	11.00	107	2432	0.654	ug/l	97
64) Tetrachloroethene	10.63	164	2978	0.780	ug/l	94
65) Chlorobenzene	11.43	112	6785	0.750	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	2173	0.652	ug/l #	64
67) Ethyl Benzene	11.51	91	10936	0.688	ug/l	98
68) m/p-Xylenes	11.62	106	8037	1.352	ug/l	100
69) o-Xylene	11.95	106	4097	0.701	ug/l	94
70) Styrene	11.96	104	6010	0.636	ug/l	98
71) Bromoform	12.13	173	1377	0.543	ug/l #	98
73) Isopropylbenzene	12.25	105	9951	0.832	ug/l	100
74) N-amyl acetate	12.07	43	3180	0.714	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	3544	0.881	ug/l	92
76) 1,2,3-Trichloropropane	12.55	75	2887m	0.890	ug/l	
77) Bromobenzene	12.52	156	2715	0.868	ug/l	98
78) n-propylbenzene	12.59	91	10584	0.797	ug/l	93
79) 2-Chlorotoluene	12.67	91	6998	0.852	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	8366	0.825	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.30	75	387m	0.368	ug/l	
82) 4-Chlorotoluene	12.77	91	6470	0.830	ug/l	100
83) tert-Butylbenzene	12.99	119	7274	0.824	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	7643	0.772	ug/l	96
85) sec-Butylbenzene	13.17	105	8935	0.793	ug/l	100
86) p-Isopropyltoluene	13.29	119	7590	0.744	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	3890	0.759	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	4128m	0.828	ug/l	
89) n-Butylbenzene	13.61	91	5382	0.655	ug/l	97
90) Hexachloroethane	13.87	117	1014	0.614	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	3867	0.737	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	373	0.582	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1639	0.682	ug/l #	88
94) Hexachlorobutadiene	15.01	225	1408	0.754	ug/l	93
95) Naphthalene	15.13	128	4405	0.684	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1896	0.765	ug/l	96

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

