

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054166.D
 Acq On : 12 Mar 2019 16:30
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:48:31 AM

Quant Time: Mar 13 11:33:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1479436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2209539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1899821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	729434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	782191	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	699082	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	2558880	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	816764	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7187	0.513	ug/l	96
3) Chloromethane	2.06	50	8926	0.655	ug/l #	86
4) Vinyl Chloride	2.19	62	8739	0.561	ug/l	99
5) Bromomethane	2.57	94	13897	1.289	ug/l	100
6) Chloroethane	2.71	64	6401	0.680	ug/l	96
7) Trichlorofluoromethane	3.02	101	13907	0.672	ug/l	96
8) Diethyl Ether	3.41	74	4335	0.460	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	8947m	0.577	ug/l	
10) Methyl Iodide	3.94	142	26606	2.669	ug/l	98
11) Tert butyl alcohol	4.82	59	13549	12.579	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	8080	0.526	ug/l	95
13) Acrolein	3.61	56	13633	13.357	ug/l	95
14) Allyl chloride	4.32	41	9488m	0.481	ug/l	
15) Acrylonitrile	5.00	53	10083	2.279	ug/l #	91
16) Acetone	3.82	43	15738	3.498	ug/l #	81
17) Carbon Disulfide	4.04	76	21063	0.547	ug/l	99
18) Methyl Acetate	4.32	43	4815	0.529	ug/l #	62
19) Methyl tert-butyl Ether	5.05	73	19483	0.511	ug/l	98
20) Methylene Chloride	4.55	84	9974	0.675	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	7729	0.525	ug/l	95
22) Diisopropyl ether	5.96	45	16462	0.418	ug/l #	92
23) Vinyl Acetate	5.91	43	62406	2.151	ug/l	95
24) 1,1-Dichloroethane	5.84	63	12736m	0.504	ug/l	
25) 2-Butanone	6.85	43	9347	1.770	ug/l #	82
26) 2,2-Dichloropropane	6.82	77	11279	0.508	ug/l #	66
27) cis-1,2-Dichloroethene	6.82	96	9140	0.556	ug/l	93
28) Bromochloromethane	7.19	49	4429	0.429	ug/l #	85
29) Tetrahydrofuran	7.22	42	6871m	2.024	ug/l	
30) Chloroform	7.37	83	12541	0.476	ug/l	99
31) Cyclohexane	7.66	56	34449	0.236	ug/l #	35
32) 1,1,1-Trichloroethane	7.57	97	10701	0.449	ug/l #	35
36) 1,1-Dichloropropene	7.79	75	11919	0.586	ug/l #	82
37) Ethyl Acetate	6.95	43	3941m	0.337	ug/l	
38) Carbon Tetrachloride	7.77	117	15069	0.706	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	13402	0.535	ug/l	93
40) Benzene	8.04	78	28173	0.484	ug/l	92
41) Methacrylonitrile	7.18	41	2680	0.401	ug/l #	74
42) 1,2-Dichloroethane	8.13	62	10212	0.519	ug/l	89
43) Isopropyl Acetate	8.17	43	9380	0.457	ug/l #	72
44) Trichloroethene	8.84	130	9406	0.520	ug/l	94
45) 1,2-Dichloropropane	9.12	63	6647	0.460	ug/l	93
46) Dibromomethane	9.21	93	5019	0.514	ug/l	96
47) Bromodichloromethane	9.41	83	8742	0.446	ug/l	86
48) Methyl methacrylate	9.20	41	4616	0.443	ug/l	94
49) 1,4-Dioxane	9.21	88	1446	9.816	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	25522	2.350	ug/l	99
52) Toluene	10.16	92	19128	0.518	ug/l	89
53) t-1,3-Dichloropropene	10.38	75	8833	2.365	ug/l #	59
54) cis-1,3-Dichloropropene	9.84	75	10250	0.449	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	6514	0.483	ug/l #	91
56) Ethyl methacrylate	10.43	69	7691	0.478	ug/l #	92
57) 1,3-Dichloropropane	10.71	76	9856	0.447	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	12795	18.539	ug/l	99
59) 2-Hexanone	10.75	43	16727	2.315	ug/l	97
60) Dibromochloromethane	10.90	129	5851	0.386	ug/l	99
61) 1,2-Dibromoethane	11.01	107	7185	0.524	ug/l	95
64) Tetrachloroethene	10.63	164	9774	0.532	ug/l	94
65) Chlorobenzene	11.44	112	22729	0.545	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	7112	0.469	ug/l #	65
67) Ethyl Benzene	11.51	91	35128	0.508	ug/l	97
68) m/p-Xylenes	11.62	106	27852	1.031	ug/l	94
69) o-Xylene	11.94	106	14241	0.541	ug/l	100
70) Styrene	11.96	104	20945	0.507	ug/l	98
71) Bromoform	12.13	173	3638	2.651	ug/l #	89
73) Isopropylbenzene	12.25	105	36509	0.626	ug/l	99
74) N-amyl acetate	12.07	43	5156	0.398	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.50	83	7963	0.640	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	7511m	0.700	ug/l	
77) Bromobenzene	12.53	156	9211	0.596	ug/l	95
78) n-propylbenzene	12.59	91	39294	0.621	ug/l	99
79) 2-Chlorotoluene	12.67	91	22953	0.603	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	25967	0.535	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.30	75	1455m	0.464	ug/l	
82) 4-Chlorotoluene	12.77	91	24570	0.646	ug/l	97
83) tert-Butylbenzene	12.99	119	24753	0.554	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	28605	0.601	ug/l	100
85) sec-Butylbenzene	13.17	105	38654	0.667	ug/l	99
86) p-Isopropyltoluene	13.29	119	32254	0.634	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	22512	0.865	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	14533m	0.569	ug/l	
89) n-Butylbenzene	13.62	91	24534	0.635	ug/l	99
90) Hexachloroethane	13.87	117	3794m	0.451	ug/l	
91) 1,2-Dichlorobenzene	13.65	146	16176	0.636	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1199	0.623	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	15671	3.486	ug/l	93
94) Hexachlorobutadiene	15.01	225	13985	1.443	ug/l	97
95) Naphthalene	15.13	128	25075	4.199	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	11410	0.844	ug/l	100

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

