

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058704.D
 Acq On : 11 Oct 2019 15:36
 Operator : JC/SP
 Sample : K5111-08 0.75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:33 AM

Quant Time: Oct 12 00:34:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	426791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	702554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	310278	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.57	113	220685	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.08	98	835284	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.40	95	293308	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4214	0.793	ug/l	98
3) Chloromethane	2.04	50	5597	0.886	ug/l	97
4) Vinyl Chloride	2.17	62	5124	0.814	ug/l	93
5) Bromomethane	2.55	94	3744	0.978	ug/l	87
6) Chloroethane	2.69	64	3189	0.821	ug/l	89
7) Trichlorofluoromethane	3.00	101	6366	0.845	ug/l	99
8) Diethyl Ether	3.39	74	2117	0.760	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3305	0.769	ug/l #	86
10) Methyl Iodide	3.93	142	4109	0.701	ug/l #	90
11) Tert butyl alcohol	4.75	59	4453m	4.602	ug/l	
12) 1,1-Dichloroethene	3.71	96	3847	0.939	ug/l #	62
13) Acrolein	3.59	56	2864	3.680	ug/l	97
14) Allyl chloride	4.30	41	7127	0.862	ug/l	96
15) Acrylonitrile	4.97	53	8625	3.534	ug/l #	85
16) Acetone	3.80	43	10548	4.264	ug/l	97
17) Carbon Disulfide	4.03	76	11676	0.891	ug/l #	93
18) Methyl Acetate	4.31	43	5792	0.923	ug/l #	67
19) Methyl tert-butyl Ether	5.02	73	11753	0.803	ug/l	95
20) Methylene Chloride	4.53	84	5019	0.971	ug/l #	84
21) trans-1,2-Dichloroethene	5.02	96	3987	0.870	ug/l	85
22) Diisopropyl ether	5.94	45	11867	0.738	ug/l	91
23) Vinyl Acetate	5.88	43	48117	3.708	ug/l	98
24) 1,1-Dichloroethane	5.83	63	7299	0.797	ug/l #	93
25) 2-Butanone	6.82	43	13562	3.793	ug/l	97
26) 2,2-Dichloropropane	6.80	77	8064	0.964	ug/l	86
27) cis-1,2-Dichloroethene	6.81	96	4419	0.827	ug/l	94
28) Bromochloromethane	7.18	49	2766	0.868	ug/l #	85
29) Tetrahydrofuran	7.20	42	8883	3.845	ug/l #	78
30) Chloroform	7.36	83	8374	0.910	ug/l	93
31) Cyclohexane	7.64	56	16588	1.893	ug/l #	40
32) 1,1,1-Trichloroethane	7.55	97	6263	0.798	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	5810	0.818	ug/l	94
37) Ethyl Acetate	6.92	43	4471	0.622	ug/l #	71
38) Carbon Tetrachloride	7.76	117	5692	0.822	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	6090	0.739	ug/l	93
40) Benzene	8.03	78	16839	0.825	ug/l	98
41) Methacrylonitrile	7.17	41	2999	0.892	ug/l #	40
42) 1,2-Dichloroethane	8.11	62	6889	0.879	ug/l	84
43) Isopropyl Acetate	8.15	43	9287	0.759	ug/l #	88
44) Trichloroethene	8.82	130	4217	0.832	ug/l	90
45) 1,2-Dichloropropane	9.10	63	3824	0.700	ug/l #	84
46) Dibromomethane	9.20	93	3155	0.911	ug/l	88
47) Bromodichloromethane	9.39	83	5462	0.775	ug/l #	87
48) Methyl methacrylate	9.19	41	4199	0.757	ug/l	93
49) 1,4-Dioxane	9.19	88	1249	14.554	ug/l #	86
51) 4-Methyl-2-Pentanone	9.98	43	24982	3.635	ug/l	97
52) Toluene	10.15	92	9709	0.778	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	5627	0.696	ug/l #	60
54) cis-1,3-Dichloropropene	9.83	75	6558	0.764	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	3926	0.769	ug/l	92
56) Ethyl methacrylate	10.43	69	4981	0.668	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	6976	0.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	11629	3.234	ug/l	96
59) 2-Hexanone	10.75	43	19104	3.597	ug/l	95
60) Dibromochloromethane	10.90	129	3867	0.734	ug/l	94
61) 1,2-Dibromoethane	11.00	107	4011	0.784	ug/l	94
64) Tetrachloroethene	10.63	164	3688	0.840	ug/l	93
65) Chlorobenzene	11.43	112	10757	0.845	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.51	131	3491	0.741	ug/l #	61
67) Ethyl Benzene	11.51	91	18071	0.796	ug/l	97
68) m/p-Xylenes	11.62	106	13091	1.537	ug/l	96
69) o-Xylene	11.95	106	5711	0.693	ug/l	93
70) Styrene	11.97	104	8508	0.630	ug/l	89
71) Bromoform	12.13	173	2583	0.748	ug/l #	87
73) Isopropylbenzene	12.25	105	16268	0.827	ug/l	97
74) N-amyl acetate	12.07	43	5832	0.660	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	6089	0.940	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	6583m	1.105	ug/l	
77) Bromobenzene	12.53	156	3868	0.809	ug/l	75
78) n-propylbenzene	12.60	91	18812	0.821	ug/l	100
79) 2-Chlorotoluene	12.68	91	12376	0.870	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	13336	0.794	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	2160m	0.972	ug/l	
82) 4-Chlorotoluene	12.78	91	12452	0.853	ug/l	97
83) tert-Butylbenzene	13.00	119	11785	0.820	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	12687	0.761	ug/l	98
85) sec-Butylbenzene	13.17	105	14969	0.790	ug/l	98
86) p-Isopropyltoluene	13.30	119	12852	0.746	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	7054	0.800	ug/l	93
88) 1,4-Dichlorobenzene	13.37	146	7458m	0.832	ug/l	
89) n-Butylbenzene	13.62	91	11523	0.724	ug/l	98
90) Hexachloroethane	13.88	117	2528	0.820	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	7047	0.820	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1807	1.194	ug/l	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4035	0.770	ug/l	91
94) Hexachlorobutadiene	15.02	225	2032	0.736	ug/l	77
95) Naphthalene	15.14	128	10758	0.714	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.30	180	3673	0.717	ug/l	82

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

