

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058703.D
 Acq On : 11 Oct 2019 15:14
 Operator : JC/SP
 Sample : K5111-08 0.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:31 AM

Quant Time: Oct 12 00:31:23 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	431313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	708725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307729	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.57	113	217344	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.08	98	824758	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.40	95	291170	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	2451	0.456 ug/l	100
3) Chloromethane	2.04	50	3514	0.550 ug/l #	84
4) Vinyl Chloride	2.17	62	3259	0.512 ug/l	98
5) Bromomethane	2.55	94	2910	0.752 ug/l #	79
6) Chloroethane	2.69	64	2361m	0.602 ug/l	
7) Trichlorofluoromethane	3.00	101	3999	0.525 ug/l	85
8) Diethyl Ether	3.40	74	1236	0.439 ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2262	0.521 ug/l #	76
10) Methyl Iodide	3.93	142	2368	0.400 ug/l #	94
11) Tert butyl alcohol	4.76	59	3475m	3.553 ug/l	
12) 1,1-Dichloroethene	3.72	96	2312m	0.558 ug/l	
13) Acrolein	3.59	56	2423	3.081 ug/l #	58
14) Allyl chloride	4.30	41	4649m	0.556 ug/l	
15) Acrylonitrile	4.97	53	5357	2.172 ug/l #	76
16) Acetone	3.80	43	7434	2.974 ug/l #	67
17) Carbon Disulfide	4.03	76	8366	0.632 ug/l	98
18) Methyl Acetate	4.31	43	3622	0.571 ug/l #	73
19) Methyl tert-butyl Ether	5.02	73	7507	0.508 ug/l #	91
20) Methylene Chloride	4.53	84	3257m	0.623 ug/l	
21) trans-1,2-Dichloroethene	5.01	96	2600m	0.561 ug/l	
22) Diisopropyl ether	5.92	45	7004	0.431 ug/l #	60
23) Vinyl Acetate	5.88	43	30546	2.329 ug/l	98
24) 1,1-Dichloroethane	5.82	63	4684	0.506 ug/l #	85
25) 2-Butanone	6.82	43	9588	2.654 ug/l	95
26) 2,2-Dichloropropane	6.80	77	5314	0.629 ug/l #	72
27) cis-1,2-Dichloroethene	6.82	96	3099m	0.574 ug/l	
28) Bromochloromethane	7.17	49	1854	0.576 ug/l #	73
29) Tetrahydrofuran	7.19	42	6135	2.627 ug/l	92
30) Chloroform	7.36	83	5578	0.600 ug/l	96
31) Cyclohexane	7.64	56	14260	1.610 ug/l #	28
32) 1,1,1-Trichloroethane	7.55	97	3968	0.500 ug/l #	53
36) 1,1-Dichloropropene	7.77	75	3605	0.503 ug/l	93
37) Ethyl Acetate	6.92	43	3714	0.512 ug/l #	86
38) Carbon Tetrachloride	7.75	117	3557	0.509 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	3557	0.428	ug/l	97
40) Benzene	8.02	78	10142	0.493	ug/l	99
41) Methacrylonitrile	7.15	41	1733	0.511	ug/l #	8
42) 1,2-Dichloroethane	8.11	62	4194	0.530	ug/l	94
43) Isopropyl Acetate	8.15	43	5853	0.474	ug/l #	88
44) Trichloroethene	8.82	130	2616	0.512	ug/l	81
45) 1,2-Dichloropropane	9.11	63	2683	0.487	ug/l	97
46) Dibromomethane	9.20	93	1858	0.532	ug/l	93
47) Bromodichloromethane	9.39	83	3295	0.463	ug/l #	89
48) Methyl methacrylate	9.19	41	2817	0.503	ug/l #	71
49) 1,4-Dioxane	9.19	88	906	10.465	ug/l #	75
51) 4-Methyl-2-Pentanone	9.98	43	15934	2.298	ug/l	94
52) Toluene	10.15	92	6414	0.510	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	3610	0.443	ug/l #	1
54) cis-1,3-Dichloropropene	9.83	75	4100	0.473	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	3094	0.601	ug/l	92
56) Ethyl methacrylate	10.43	69	2970	0.395	ug/l #	82
57) 1,3-Dichloropropane	10.70	76	4343	0.495	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.69	63	8125	2.240	ug/l	97
59) 2-Hexanone	10.75	43	12776	2.384	ug/l	99
60) Dibromochloromethane	10.90	129	2571	0.484	ug/l	81
61) 1,2-Dibromoethane	11.01	107	2327	0.451	ug/l	98
64) Tetrachloroethene	10.63	164	2838	0.641	ug/l #	83
65) Chlorobenzene	11.43	112	6330	0.493	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	2130	0.449	ug/l #	44
67) Ethyl Benzene	11.51	91	11457	0.501	ug/l	94
68) m/p-Xylenes	11.62	106	8009	0.933	ug/l	99
69) o-Xylene	11.95	106	3975	0.478	ug/l	90
70) Styrene	11.97	104	5916	0.434	ug/l	93
71) Bromoform	12.13	173	1315	0.378	ug/l #	99
73) Isopropylbenzene	12.25	105	10296	0.525	ug/l	94
74) N-amyl acetate	12.07	43	3951	0.448	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	3476	0.538	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	4388m	0.738	ug/l	
77) Bromobenzene	12.53	156	2352	0.493	ug/l	93
78) n-propylbenzene	12.60	91	12717	0.556	ug/l	100
79) 2-Chlorotoluene	12.68	91	8125	0.573	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	8473	0.506	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1327m	0.598	ug/l	
82) 4-Chlorotoluene	12.78	91	7243	0.497	ug/l	99
83) tert-Butylbenzene	13.00	119	7677	0.535	ug/l	95
84) 1,2,4-Trimethylbenzene	13.05	105	8516	0.512	ug/l	90
85) sec-Butylbenzene	13.18	105	9173	0.485	ug/l	98
86) p-Isopropyltoluene	13.29	119	8996	0.524	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	4786	0.544	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	4878m	0.545	ug/l	
89) n-Butylbenzene	13.62	91	7404	0.466	ug/l	96
90) Hexachloroethane	13.88	117	1734	0.564	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	4481	0.522	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1446	0.958	ug/l #	44

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	2881	0.551	ug/l	94
94) Hexachlorobutadiene	15.02	225	1333	0.484	ug/l	88
95) Naphthalene	15.13	128	8347	0.555	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	2805	0.549	ug/l	98

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

