

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058705.D
 Acq On : 11 Oct 2019 15:58
 Operator : JC/SP
 Sample : K5111-08 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:35 AM

Quant Time: Oct 12 00:36:30 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	421115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273308	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	310877	52.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.46%		
35) Dibromofluoromethane	7.57	113	217368	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.30%		
50) Toluene-d8	10.09	98	834503	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.24%		
62) 4-Bromofluorobenzene	12.40	95	294080	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	13325	2.541	ug/l	97
3) Chloromethane	2.04	50	17037	2.732	ug/l	99
4) Vinyl Chloride	2.17	62	15762	2.538	ug/l	99
5) Bromomethane	2.55	94	11735	3.106	ug/l	93
6) Chloroethane	2.68	64	10270	2.680	ug/l	98
7) Trichlorofluoromethane	3.00	101	20731	2.789	ug/l	99
8) Diethyl Ether	3.39	74	7409	2.697	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10881	2.567	ug/l #	86
10) Methyl Iodide	3.93	142	13505	2.335	ug/l	97
11) Tert butyl alcohol	4.76	59	13270	13.898	ug/l	100
12) 1,1-Dichloroethene	3.71	96	11878	2.937	ug/l #	72
13) Acrolein	3.58	56	9583	12.480	ug/l	98
14) Allyl chloride	4.29	41	21319	2.612	ug/l	98
15) Acrylonitrile	4.96	53	30559	12.691	ug/l	97
16) Acetone	3.80	43	29748	12.188	ug/l	97
17) Carbon Disulfide	4.03	76	34737	2.687	ug/l	100
18) Methyl Acetate	4.30	43	17164	2.772	ug/l #	82
19) Methyl tert-butyl Ether	5.03	73	37920	2.626	ug/l	95
20) Methylene Chloride	4.52	84	14106	2.765	ug/l	89
21) trans-1,2-Dichloroethene	5.02	96	12448	2.752	ug/l	90
22) Diisopropyl ether	5.93	45	39714	2.503	ug/l #	84
23) Vinyl Acetate	5.87	43	163723	12.786	ug/l	100
24) 1,1-Dichloroethane	5.83	63	23431	2.593	ug/l	98
25) 2-Butanone	6.82	43	43040	12.200	ug/l	98
26) 2,2-Dichloropropane	6.80	77	21978	2.664	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	14012	2.656	ug/l	97
28) Bromochloromethane	7.18	49	7949m	2.528	ug/l	
29) Tetrahydrofuran	7.19	42	28070	12.313	ug/l	97
30) Chloroform	7.35	83	24092	2.653	ug/l	94
31) Cyclohexane	7.64	56	30774	3.559	ug/l #	67
32) 1,1,1-Trichloroethane	7.55	97	20361	2.629	ug/l	99
36) 1,1-Dichloropropene	7.78	75	18112	2.578	ug/l	99
37) Ethyl Acetate	6.91	43	14291	2.011	ug/l #	90
38) Carbon Tetrachloride	7.76	117	18195	2.657	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	20033	2.457	ug/l	95
40) Benzene	8.03	78	51739	2.564	ug/l	96
41) Methacrylonitrile	7.15	41	6653m	2.000	ug/l	
42) 1,2-Dichloroethane	8.11	62	21017	2.711	ug/l	90
43) Isopropyl Acetate	8.15	43	28658	2.368	ug/l	95
44) Trichloroethene	8.82	130	12893	2.573	ug/l	94
45) 1,2-Dichloropropane	9.11	63	14955	2.769	ug/l	100
46) Dibromomethane	9.20	93	8799	2.569	ug/l	99
47) Bromodichloromethane	9.39	83	16912	2.425	ug/l	97
48) Methyl methacrylate	9.19	41	13692	2.496	ug/l	96
49) 1,4-Dioxane	9.19	88	4196	49.436	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	84647	12.453	ug/l	97
52) Toluene	10.15	92	30600	2.480	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	18978	2.373	ug/l #	71
54) cis-1,3-Dichloropropene	9.83	75	20676	2.435	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	13585	2.690	ug/l	96
56) Ethyl methacrylate	10.43	69	17292	2.343	ug/l	96
57) 1,3-Dichloropropane	10.71	76	21784	2.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	37680	10.596	ug/l	99
59) 2-Hexanone	10.75	43	60916	11.596	ug/l	100
60) Dibromochloromethane	10.90	129	12346	2.370	ug/l	97
61) 1,2-Dibromoethane	11.00	107	11989	2.369	ug/l	96
64) Tetrachloroethene	10.63	164	11004	2.540	ug/l	93
65) Chlorobenzene	11.43	112	33035	2.627	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	11390	2.450	ug/l	91
67) Ethyl Benzene	11.51	91	56554	2.523	ug/l	100
68) m/p-Xylenes	11.62	106	41420	4.924	ug/l	98
69) o-Xylene	11.95	106	20372	2.503	ug/l	96
70) Styrene	11.97	104	30133	2.259	ug/l	96
71) Bromoform	12.13	173	8038	2.359	ug/l #	97
73) Isopropylbenzene	12.25	105	52070	2.631	ug/l	100
74) N-amyl acetate	12.07	43	21284	2.394	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	18260	2.800	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	17150m	2.860	ug/l	
77) Bromobenzene	12.53	156	12975	2.695	ug/l	94
78) n-propylbenzene	12.59	91	61194	2.653	ug/l	100
79) 2-Chlorotoluene	12.68	91	38988	2.723	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	44534	2.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5181	2.315	ug/l #	82
82) 4-Chlorotoluene	12.78	91	37533	2.555	ug/l	97
83) tert-Butylbenzene	13.00	119	37026	2.558	ug/l	94
84) 1,2,4-Trimethylbenzene	13.05	105	44006	2.623	ug/l	97
85) sec-Butylbenzene	13.17	105	50642	2.655	ug/l	100
86) p-Isopropyltoluene	13.30	119	43198	2.492	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	22271	2.508	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	22825	2.528	ug/l	82
89) n-Butylbenzene	13.62	91	38507	2.402	ug/l	96
90) Hexachloroethane	13.88	117	7630	2.460	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	22779	2.632	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4238	2.782	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	12535	2.375	ug/l	98
94) Hexachlorobutadiene	15.02	225	7516	2.704	ug/l	97
95) Naphthalene	15.13	128	32632	2.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	11824	2.294	ug/l	97

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

