

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058707.D
 Acq On : 11 Oct 2019 16:42
 Operator : JC/SP
 Sample : K5111-09 5PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:49 AM

Quant Time: Oct 12 00:40:49 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	423290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	692877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287459	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	326026	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	7.57	113	235085	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
50) Toluene-d8	10.09	98	897992	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	320428	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	25344	4.807	ug/l	99
3) Chloromethane	2.04	50	31367	5.004	ug/l	99
4) Vinyl Chloride	2.17	62	31595	5.060	ug/l	97
5) Bromomethane	2.54	94	20491	5.395	ug/l	99
6) Chloroethane	2.68	64	19650	5.102	ug/l	98
7) Trichlorofluoromethane	3.00	101	40204	5.380	ug/l	95
8) Diethyl Ether	3.39	74	14280	5.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22611	5.307	ug/l	98
10) Methyl Iodide	3.93	142	27752	4.773	ug/l	98
11) Tert butyl alcohol	4.76	59	25856	26.941	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	21282	5.235	ug/l	94
13) Acrolein	3.58	56	19027	24.651	ug/l	95
14) Allyl chloride	4.30	41	39434	4.807	ug/l	94
15) Acrylonitrile	4.96	53	60656	25.062	ug/l	96
16) Acetone	3.80	43	59358	24.195	ug/l	100
17) Carbon Disulfide	4.03	76	65977	5.077	ug/l	99
18) Methyl Acetate	4.31	43	34069	5.475	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	73884	5.090	ug/l	99
20) Methylene Chloride	4.52	84	26499	5.168	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	23297	5.123	ug/l	90
22) Diisopropyl ether	5.93	45	79952	5.012	ug/l	94
23) Vinyl Acetate	5.87	43	332707	25.850	ug/l	99
24) 1,1-Dichloroethane	5.82	63	46319	5.099	ug/l	99
25) 2-Butanone	6.82	43	89022	25.105	ug/l	100
26) 2,2-Dichloropropane	6.81	77	38866	4.687	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	26757	5.046	ug/l	98
28) Bromochloromethane	7.18	49	16311	5.161	ug/l	96
29) Tetrahydrofuran	7.19	42	58012	25.316	ug/l	99
30) Chloroform	7.36	83	45577	4.994	ug/l	92
31) Cyclohexane	7.64	56	49488	5.693	ug/l #	80
32) 1,1,1-Trichloroethane	7.55	97	40399	5.190	ug/l	100
36) 1,1-Dichloropropene	7.78	75	34232	4.886	ug/l	99
37) Ethyl Acetate	6.91	43	36693	5.179	ug/l	98
38) Carbon Tetrachloride	7.76	117	35174	5.152	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	39661	4.879	ug/l	96
40) Benzene	8.02	78	101787	5.059	ug/l	98
41) Methacrylonitrile	7.16	41	14005m	4.223	ug/l	
42) 1,2-Dichloroethane	8.11	62	39684	5.134	ug/l	99
43) Isopropyl Acetate	8.15	43	59716	4.948	ug/l	100
44) Trichloroethene	8.82	130	24361	4.876	ug/l	100
45) 1,2-Dichloropropane	9.11	63	27522	5.110	ug/l	100
46) Dibromomethane	9.20	93	18004	5.272	ug/l	97
47) Bromodichloromethane	9.39	83	36035	5.182	ug/l	97
48) Methyl methacrylate	9.19	41	26740	4.888	ug/l	97
49) 1,4-Dioxane	9.19	88	8522	100.687	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	172160	25.399	ug/l	99
52) Toluene	10.15	92	61503	4.998	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	37108	4.653	ug/l	93
54) cis-1,3-Dichloropropene	9.83	75	39846	4.706	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	25920	5.146	ug/l	97
56) Ethyl methacrylate	10.43	69	35069	4.766	ug/l	99
57) 1,3-Dichloropropane	10.71	76	43313	5.047	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	79925	22.539	ug/l	98
59) 2-Hexanone	10.75	43	130180	24.852	ug/l	99
60) Dibromochloromethane	10.90	129	24326	4.682	ug/l	92
61) 1,2-Dibromoethane	11.00	107	24831	4.921	ug/l	96
64) Tetrachloroethene	10.63	164	23127	5.208	ug/l	95
65) Chlorobenzene	11.43	112	65295	5.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	23420	4.915	ug/l	95
67) Ethyl Benzene	11.51	91	114535	4.987	ug/l	97
68) m/p-Xylenes	11.62	106	83704	9.711	ug/l	100
69) o-Xylene	11.95	106	40457	4.851	ug/l	97
70) Styrene	11.97	104	62606	4.580	ug/l	99
71) Bromoform	12.13	173	16153	4.625	ug/l #	98
73) Isopropylbenzene	12.25	105	108383	5.206	ug/l	99
74) N-amyl acetate	12.07	43	44786	4.790	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	36166	5.273	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	35871m	5.688	ug/l	
77) Bromobenzene	12.53	156	26423	5.218	ug/l	99
78) n-propylbenzene	12.59	91	129318	5.331	ug/l	100
79) 2-Chlorotoluene	12.68	91	74118	4.923	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	90637	5.100	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	10097	4.289	ug/l	83
82) 4-Chlorotoluene	12.78	91	77406	5.010	ug/l	98
83) tert-Butylbenzene	13.00	119	76403	5.018	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	87301	4.948	ug/l	100
85) sec-Butylbenzene	13.18	105	101888	5.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	89812	4.925	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	45399	4.861	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	47605	5.014	ug/l	94
89) n-Butylbenzene	13.62	91	76661	4.547	ug/l	100
90) Hexachloroethane	13.88	117	16207	4.967	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	46874	5.150	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	8810	5.499	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	24361	4.388	ug/l	98
94) Hexachlorobutadiene	15.02	225	14303	4.892	ug/l	97
95) Naphthalene	15.13	128	72265	4.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	23715	4.375	ug/l	95

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

