

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056947.D
 Acq On : 26 Jul 2019 17:27
 Operator : JC/SP
 Sample : K3591-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:41 AM

Quant Time: Jul 27 01:35:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:19:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	581809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	899085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	751192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	306180	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.58	113	276119	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.08	98	1037998	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	285639	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	11979	2.037	ug/l	95
3) Chloromethane	2.05	50	19026	2.701	ug/l	99
4) Vinyl Chloride	2.18	62	15343	2.323	ug/l	100
5) Bromomethane	2.55	94	13597	3.312	ug/l	96
6) Chloroethane	2.69	64	9542	2.621	ug/l	94
7) Trichlorofluoromethane	3.00	101	21079	2.438	ug/l	97
8) Diethyl Ether	3.39	74	8239	2.547	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	13113	2.447	ug/l	96
10) Methyl Iodide	3.94	142	9377	1.309	ug/l	99
11) Tert butyl alcohol	4.77	59	10947	13.599	ug/l #	95
12) 1,1-Dichloroethene	3.72	96	13426	2.625	ug/l	94
13) Acrolein	3.60	56	5764	13.161	ug/l	93
14) Allyl chloride	4.30	41	20215	2.430	ug/l	96
15) Acrylonitrile	4.98	53	29168	12.355	ug/l	98
16) Acetone	3.81	43	25963	12.033	ug/l	99
17) Carbon Disulfide	4.03	76	31282	2.302	ug/l	100
18) Methyl Acetate	4.31	43	18103m	2.630	ug/l	
19) Methyl tert-butyl Ether	5.03	73	38314	2.513	ug/l	92
20) Methylene Chloride	4.54	84	15859	2.552	ug/l	90
21) trans-1,2-Dichloroethene	5.02	96	13780	2.537	ug/l	96
22) Diisopropyl ether	5.94	45	42316	2.469	ug/l	97
23) Vinyl Acetate	5.88	43	141015	11.874	ug/l	98
24) 1,1-Dichloroethane	5.83	63	25409	2.513	ug/l	99
25) 2-Butanone	6.82	43	37265	12.180	ug/l	99
26) 2,2-Dichloropropane	6.81	77	17958	2.335	ug/l #	75
27) cis-1,2-Dichloroethene	6.81	96	16676	2.596	ug/l	99
28) Bromochloromethane	7.18	49	11972	2.519	ug/l	95
29) Tetrahydrofuran	7.20	42	25085	12.567	ug/l	99
30) Chloroform	7.36	83	26236	2.537	ug/l	94
31) Cyclohexane	7.64	56	30076	3.073	ug/l #	53
32) 1,1,1-Trichloroethane	7.55	97	20297	2.460	ug/l	96
36) 1,1-Dichloropropene	7.78	75	19370	2.448	ug/l	99
37) Ethyl Acetate	6.92	43	15107	2.384	ug/l #	89
38) Carbon Tetrachloride	7.76	117	17181	2.296	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	22737	2.249	ug/l	99
40) Benzene	8.03	78	60317	2.475	ug/l	97
41) Methacrylonitrile	7.17	41	7192m	2.455	ug/l	
42) 1,2-Dichloroethane	8.11	62	19254	2.521	ug/l	98
43) Isopropyl Acetate	8.15	43	24853	2.373	ug/l	97
44) Trichloroethene	8.82	130	15848	2.361	ug/l	100
45) 1,2-Dichloropropane	9.10	63	14849	2.278	ug/l	100
46) Dibromomethane	9.20	93	9634	2.451	ug/l	95
47) Bromodichloromethane	9.39	83	17707	2.291	ug/l	98
48) Methyl methacrylate	9.19	41	11728	2.320	ug/l	97
49) 1,4-Dioxane	9.19	88	5106	49.003	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	73868	11.871	ug/l	97
52) Toluene	10.15	92	34672	2.368	ug/l	95
53) t-1,3-Dichloropropene	10.37	75	16014	1.997	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	19688	2.111	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	14464	2.464	ug/l	95
56) Ethyl methacrylate	10.42	69	17891	2.268	ug/l	98
57) 1,3-Dichloropropane	10.70	76	23368	2.400	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	35687	10.143	ug/l	99
59) 2-Hexanone	10.74	43	48425	11.172	ug/l	93
60) Dibromochloromethane	10.89	129	12923	2.148	ug/l	100
61) 1,2-Dibromoethane	11.00	107	13561	2.367	ug/l	96
64) Tetrachloroethene	10.62	164	15845	2.448	ug/l	96
65) Chlorobenzene	11.43	112	36533	2.386	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	13367	2.320	ug/l	98
67) Ethyl Benzene	11.50	91	60732	2.295	ug/l	97
68) m/p-Xylenes	11.62	106	43375	4.442	ug/l	97
69) o-Xylene	11.94	106	21651	2.266	ug/l	99
70) Styrene	11.96	104	32164	2.111	ug/l	97
71) Bromoform	12.12	173	8785	2.184	ug/l #	94
73) Isopropylbenzene	12.24	105	57605	2.928	ug/l	97
74) N-amyl acetate	12.07	43	13807	2.417	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	17584	3.068	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	14758m	3.192	ug/l	
77) Bromobenzene	12.52	156	14594	2.842	ug/l	98
78) n-propylbenzene	12.58	91	56378	2.684	ug/l	99
79) 2-Chlorotoluene	12.67	91	37048	2.864	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	46177	2.860	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	3041m	2.113	ug/l	
82) 4-Chlorotoluene	12.77	91	32203	2.660	ug/l	98
83) tert-Butylbenzene	12.99	119	41877	2.929	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	42946	2.764	ug/l	97
85) sec-Butylbenzene	13.17	105	51182	2.776	ug/l	100
86) p-Isopropyltoluene	13.28	119	44761	2.734	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	20195	2.585	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	18253	2.427	ug/l	90
89) n-Butylbenzene	13.61	91	30309	2.402	ug/l	99
90) Hexachloroethane	13.87	117	7431	2.636	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	20191	2.626	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2083	2.662	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	6218	1.865	ug/l	97
94) Hexachlorobutadiene	15.01	225	8913	2.785	ug/l	99
95) Naphthalene	15.12	128	14954	1.956	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	7941	2.278	ug/l	97

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

