

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056933.D
 Acq On : 25 Jul 2019 20:51
 Operator : JC/SP
 Sample : K3591-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:50 PM

Quant Time: Jul 26 05:22:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 05:13:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	455320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	590166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195126	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	238623	50.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.30%	
35) Dibromofluoromethane	7.58	113	212780	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.02%	
50) Toluene-d8	10.08	98	801800	47.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.40	95	227063	41.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	18933	3.857	ug/l	96
3) Chloromethane	2.05	50	26039	4.437	ug/l	98
4) Vinyl Chloride	2.17	62	24915	4.509	ug/l	96
5) Bromomethane	2.54	94	18156	5.432	ug/l	98
6) Chloroethane	2.68	64	14616	4.765	ug/l	100
7) Trichlorofluoromethane	3.00	101	33526	4.655	ug/l	99
8) Diethyl Ether	3.39	74	13147	4.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21511	4.861	ug/l	99
10) Methyl Iodide	3.93	142	24257	3.731	ug/l	99
11) Tert butyl alcohol	4.77	59	21539	31.690	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	20749	4.856	ug/l	96
13) Acrolein	3.59	56	10332	27.125	ug/l	98
14) Allyl chloride	4.30	41	31560	4.552	ug/l	96
15) Acrylonitrile	4.97	53	46721	23.886	ug/l	98
16) Acetone	3.80	43	36210	22.505	ug/l	96
17) Carbon Disulfide	4.03	76	49703	4.319	ug/l	99
18) Methyl Acetate	4.31	43	26635	4.728	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	58968	4.693	ug/l	99
20) Methylene Chloride	4.53	84	24723	4.852	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	21727m	4.752	ug/l	
22) Diisopropyl ether	5.93	45	67912	4.810	ug/l	91
23) Vinyl Acetate	5.88	43	225279	23.163	ug/l	100
24) 1,1-Dichloroethane	5.82	63	40415	4.872	ug/l	96
25) 2-Butanone	6.82	43	56797	22.933	ug/l	97
26) 2,2-Dichloropropane	6.81	77	26089	4.286	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	25255	4.840	ug/l	99
28) Bromochloromethane	7.18	49	17799	4.650	ug/l	96
29) Tetrahydrofuran	7.20	42	39395	24.275	ug/l	99
30) Chloroform	7.36	83	40464	4.737	ug/l	93
31) Cyclohexane	7.64	56	43054	5.334	ug/l #	80
32) 1,1,1-Trichloroethane	7.56	97	32225	4.710	ug/l	99
36) 1,1-Dichloropropene	7.78	75	30080	4.736	ug/l	96
37) Ethyl Acetate	6.92	43	21892	4.254	ug/l	96
38) Carbon Tetrachloride	7.76	117	27988	4.633	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	35257	4.555	ug/l	95
40) Benzene	8.03	78	94374	4.765	ug/l	99
41) Methacrylonitrile	7.16	41	9164	4.049	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	30385	4.967	ug/l	98
43) Isopropyl Acetate	8.15	43	38758	4.578	ug/l #	90
44) Trichloroethene	8.82	130	24022	4.446	ug/l	89
45) 1,2-Dichloropropane	9.11	63	24629	4.627	ug/l	100
46) Dibromomethane	9.20	93	14811	4.616	ug/l	96
47) Bromodichloromethane	9.39	83	28611	4.566	ug/l	95
48) Methyl methacrylate	9.19	41	19280	4.743	ug/l	97
49) 1,4-Dioxane	9.19	88	7364	86.524	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	116400	23.122	ug/l	97
52) Toluene	10.15	92	56387	4.747	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	26298	4.163	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	30264	4.069	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	22109	4.644	ug/l	98
56) Ethyl methacrylate	10.42	69	28680	4.481	ug/l	98
57) 1,3-Dichloropropane	10.70	76	37357	4.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	53145	21.066	ug/l	99
59) 2-Hexanone	10.74	43	75270	21.810	ug/l	99
60) Dibromochloromethane	10.89	129	19940	4.123	ug/l	97
61) 1,2-Dibromoethane	11.00	107	21541	4.559	ug/l	97
64) Tetrachloroethene	10.62	164	27456	5.093	ug/l	97
65) Chlorobenzene	11.43	112	58965	4.775	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	20881	4.547	ug/l	93
67) Ethyl Benzene	11.50	91	99560	4.683	ug/l	100
68) m/p-Xylenes	11.61	106	72865	9.192	ug/l	99
69) o-Xylene	11.94	106	35903	4.628	ug/l	100
70) Styrene	11.96	104	53288	4.337	ug/l	99
71) Bromoform	12.12	173	13603	4.265	ug/l #	93
73) Isopropylbenzene	12.24	105	92902	5.230	ug/l	99
74) N-amyl acetate	12.06	43	27373	5.250	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	28011	5.474	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	22529m	5.766	ug/l	
77) Bromobenzene	12.52	156	24319	5.359	ug/l	98
78) n-propylbenzene	12.58	91	95830	5.109	ug/l	99
79) 2-Chlorotoluene	12.67	91	60194	5.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	77562	5.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	5115	4.129	ug/l #	81
82) 4-Chlorotoluene	12.77	91	54988	5.126	ug/l	98
83) tert-Butylbenzene	12.99	119	69806	5.402	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	71325	5.136	ug/l	100
85) sec-Butylbenzene	13.17	105	83636	5.119	ug/l	100
86) p-Isopropyltoluene	13.28	119	74715	5.175	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	31745	4.675	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	32410	4.985	ug/l	96
89) n-Butylbenzene	13.61	91	51794	4.645	ug/l	96
90) Hexachloroethane	13.87	117	12148	4.753	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	33754	4.908	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3099	4.438	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9066	3.191	ug/l	97
94) Hexachlorobutadiene	15.00	225	13257	4.775	ug/l	95
95) Naphthalene	15.12	128	22691	3.158	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	11602	3.759	ug/l	93

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

