

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056121.D
 Acq On : 8 Jun 2019 00:46
 Operator : JC/SP
 Sample : VN0608WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD03

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:21 AM

Quant Time: Jun 08 07:13:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	427959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	380947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	152128	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.59	113	133612	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.09	98	512530	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	168235	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64777	20.534	ug/l	96
3) Chloromethane	2.06	50	69916	22.231	ug/l	99
4) Vinyl Chloride	2.18	62	66965	21.227	ug/l	99
5) Bromomethane	2.54	94	41159	20.653	ug/l	99
6) Chloroethane	2.69	64	38111	20.836	ug/l	99
7) Trichlorofluoromethane	3.00	101	81592	20.259	ug/l	100
8) Diethyl Ether	3.40	74	33066	19.965	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50267	20.547	ug/l	99
10) Methyl Iodide	3.94	142	74824	19.246	ug/l	98
11) Tert butyl alcohol	4.82	59	49527	98.794	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49511	20.328	ug/l	96
13) Acrolein	3.60	56	10852	75.057	ug/l	98
14) Allyl chloride	4.31	41	73443	19.096	ug/l	99
15) Acrylonitrile	4.99	53	140150	114.845	ug/l	99
16) Acetone	3.82	43	115847	84.083	ug/l	100
17) Carbon Disulfide	4.04	76	98130	16.827	ug/l	99
18) Methyl Acetate	4.33	43	66369	24.225	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	161736	20.833	ug/l	100
20) Methylene Chloride	4.54	84	59816	21.073	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	53290	20.420	ug/l	99
22) Diisopropyl ether	5.96	45	169244	21.288	ug/l	100
23) Vinyl Acetate	5.90	43	645896	103.166	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96571	21.058	ug/l	99
25) 2-Butanone	6.84	43	184445	105.956	ug/l	98
26) 2,2-Dichloropropane	6.82	77	46525	13.001	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	63869	20.821	ug/l	95
28) Bromochloromethane	7.19	49	43792	20.193	ug/l	100
29) Tetrahydrofuran	7.22	42	121748	113.144	ug/l	100
30) Chloroform	7.37	83	97424	21.118	ug/l	100
31) Cyclohexane	7.65	56	90464	19.790	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	76863	19.952	ug/l	100
36) 1,1-Dichloropropene	7.79	75	71376	19.396	ug/l	99
37) Ethyl Acetate	6.94	43	73001	22.296	ug/l	100
38) Carbon Tetrachloride	7.77	117	63951	18.850	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	85750	18.706	ug/l	99
40) Benzene	8.04	78	231217	20.688	ug/l	99
41) Methacrylonitrile	7.17	41	24992	16.590	ug/l #	61
42) 1,2-Dichloroethane	8.12	62	73789	20.525	ug/l	99
43) Isopropyl Acetate	8.17	43	108927	20.530	ug/l #	92
44) Trichloroethene	8.83	130	63069	19.638	ug/l	98
45) 1,2-Dichloropropane	9.12	63	59201	20.680	ug/l	99
46) Dibromomethane	9.21	93	38935	20.798	ug/l	98
47) Bromodichloromethane	9.40	83	66314	19.545	ug/l	98
48) Methyl methacrylate	9.20	41	55417	21.350	ug/l	99
49) 1,4-Dioxane	9.21	88	24851	443.467	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	364660	109.906	ug/l	100
52) Toluene	10.16	92	143393	20.618	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	62083	17.256	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	75770	18.579	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57687	20.940	ug/l	99
56) Ethyl methacrylate	10.43	69	84118	20.930	ug/l	98
57) 1,3-Dichloropropane	10.71	76	94739	21.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	158492	108.418	ug/l	100
59) 2-Hexanone	10.75	43	252952	105.188	ug/l	100
60) Dibromochloromethane	10.90	129	50150	18.148	ug/l	99
61) 1,2-Dibromoethane	11.01	107	58109	20.633	ug/l	98
64) Tetrachloroethene	10.63	164	69870	21.189	ug/l	100
65) Chlorobenzene	11.43	112	153730	20.277	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	51475	19.663	ug/l	98
67) Ethyl Benzene	11.51	91	262816	19.936	ug/l	100
68) m/p-Xylenes	11.62	106	204161	40.539	ug/l	98
69) o-Xylene	11.95	106	100120	20.211	ug/l	99
70) Styrene	11.96	104	159416	20.254	ug/l	99
71) Bromoform	12.13	173	34105	17.409	ug/l #	98
73) Isopropylbenzene	12.25	105	263792	22.363	ug/l	100
74) N-amyl acetate	12.07	43	88509	21.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	78611	21.687	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69878m	24.321	ug/l	
77) Bromobenzene	12.53	156	69379	20.753	ug/l	97
78) n-propylbenzene	12.59	91	270232	20.457	ug/l	100
79) 2-Chlorotoluene	12.67	91	171703	22.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216392	20.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13015	15.085	ug/l #	76
82) 4-Chlorotoluene	12.77	91	158559	20.517	ug/l	98
83) tert-Butylbenzene	12.99	119	193246	22.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	206331	20.725	ug/l	98
85) sec-Butylbenzene	13.17	105	241098	20.609	ug/l	100
86) p-Isopropyltoluene	13.29	119	211952	20.244	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105674	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97912	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	143874	18.550	ug/l	100
90) Hexachloroethane	13.87	117	28873	18.287	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	106595	20.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10355	19.973	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	39680	16.877	ug/l	98
94) Hexachlorobutadiene	15.01	225	39456	20.805	ug/l	99
95) Naphthalene	15.13	128	114376	17.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48920	18.696	ug/l	98

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

