

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055632.D
 Acq On : 17 May 2019 23:50
 Operator : JC/SP
 Sample : K2902-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FM-EA-3MW01-051519MSD

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:09:20 AM

Quant Time: May 18 04:27:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	335792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	509566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	444917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	182659	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	165284	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	613211	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	212758	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119500	46.253	ug/l	98
3) Chloromethane	2.06	50	156563	45.432	ug/l	99
4) Vinyl Chloride	2.18	62	176618	47.331	ug/l	99
5) Bromomethane	2.56	94	115107	48.402	ug/l	100
6) Chloroethane	2.71	64	101556	49.015	ug/l	100
7) Trichlorofluoromethane	3.03	101	231966	48.509	ug/l	98
8) Diethyl Ether	3.41	74	95588	49.760	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	141658	48.592	ug/l	99
10) Methyl Iodide	3.96	142	203126	48.331	ug/l	99
11) Tert butyl alcohol	4.77	59	178203	259.607	ug/l	98
12) 1,1-Dichloroethene	3.74	96	147875	48.220	ug/l	98
13) Acrolein	3.61	56	84446	241.223	ug/l	99
14) Allyl chloride	4.33	41	210240	42.467	ug/l	93
15) Acrylonitrile	4.99	53	392245	256.839	ug/l	100
16) Acetone	3.82	43	319313	212.567	ug/l	99
17) Carbon Disulfide	4.06	76	402317	47.192	ug/l	100
18) Methyl Acetate	4.33	43	142894	44.371	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	493709	48.664	ug/l	98
20) Methylene Chloride	4.56	84	161705	47.169	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	157386	48.177	ug/l	98
22) Diisopropyl ether	5.95	45	467224	47.627	ug/l	97
23) Vinyl Acetate	5.90	43	1802910	216.591	ug/l	99
24) 1,1-Dichloroethane	5.85	63	277441	48.233	ug/l	99
25) 2-Butanone	6.84	43	512347	243.932	ug/l	99
26) 2,2-Dichloropropane	6.83	77	166878	32.689	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	182290	47.920	ug/l	96
28) Bromochloromethane	7.20	49	126291	50.467	ug/l	98
29) Tetrahydrofuran	7.21	42	345158	248.045	ug/l	99
30) Chloroform	7.37	83	283701	48.049	ug/l	99
31) Cyclohexane	7.66	56	249539	45.710	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	252167	47.616	ug/l	99
36) 1,1-Dichloropropene	7.80	75	216508	47.657	ug/l	99
37) Ethyl Acetate	6.93	43	191950	46.822	ug/l	100
38) Carbon Tetrachloride	7.78	117	225411	46.431	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	251947	46.004	ug/l	100
40) Benzene	8.04	78	649923	48.637	ug/l	100
41) Methacrylonitrile	7.18	41	80657m	46.018	ug/l	
42) 1,2-Dichloroethane	8.13	62	216823	50.108	ug/l	100
43) Isopropyl Acetate	8.16	43	327433	45.916	ug/l	98
44) Trichloroethene	8.84	130	189259	50.194	ug/l	97
45) 1,2-Dichloropropane	9.12	63	170948	48.561	ug/l	100
46) Dibromomethane	9.21	93	113676	49.338	ug/l	99
47) Bromodichloromethane	9.40	83	230715	47.778	ug/l	98
48) Methyl methacrylate	9.20	41	159630	50.081	ug/l	97
49) 1,4-Dioxane	9.20	88	68156	1076.099	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1038240	248.202	ug/l	100
52) Toluene	10.16	92	408391	48.727	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	244702	47.083	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	267206	46.931	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	167037	48.411	ug/l	99
56) Ethyl methacrylate	10.43	69	258889	48.065	ug/l	98
57) 1,3-Dichloropropane	10.71	76	268669	49.164	ug/l	100
59) 2-Hexanone	10.75	43	737404	250.386	ug/l	98
60) Dibromochloromethane	10.90	129	196352	50.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	172930	50.090	ug/l	100
64) Tetrachloroethene	10.63	164	165286	47.101	ug/l	99
65) Chlorobenzene	11.43	112	439818	48.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	176592	48.779	ug/l	99
67) Ethyl Benzene	11.51	91	767335	47.866	ug/l	98
68) m/p-Xylenes	11.62	106	579446	95.715	ug/l	99
69) o-Xylene	11.95	106	281110	47.476	ug/l	98
70) Stvrene	11.96	104	480133	48.768	ug/l	99
71) Bromoform	12.13	173	155672	50.741	ug/l	99
73) Isopropylbenzene	12.25	105	743513	51.304	ug/l	100
74) N-amyl acetate	12.07	43	248717	42.837	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	234309	51.652	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	194290m	46.049	ug/l	
77) Bromobenzene	12.53	156	201987	47.565	ug/l	96
78) n-propylbenzene	12.59	91	814086	44.335	ug/l	99
79) 2-Chlorotoluene	12.67	91	491462	50.012	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	618707	49.909	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68794	41.913	ug/l	99
82) 4-Chlorotoluene	12.77	91	491532	45.433	ug/l	99
83) tert-Butylbenzene	12.99	119	529851	50.371	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	616310	49.788	ug/l	99
85) sec-Butylbenzene	13.17	105	684052	49.461	ug/l	100
86) p-Isopropyltoluene	13.29	119	630400	48.943	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	332835	47.404	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	323178	48.206	ug/l	99
89) n-Butylbenzene	13.61	91	514290	45.326	ug/l	100
90) Hexachloroethane	13.87	117	123896	50.401	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	328239	46.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45328	48.304	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	192347	53.989	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	101873	47.214	ug/l	99
95) Naphthalene	15.13	128	544013	50.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	192056	51.557	ug/l	99

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

