

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056848.D
 Acq On : 19 Jul 2019 21:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:38 AM

Quant Time: Jul 20 00:42:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	299924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	466829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	418539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164053	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.59	113	145403	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.09	98	553015	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	191064	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	127429	45.248	ug/l	98
3) Chloromethane	2.06	50	178262	47.080	ug/l	99
4) Vinyl Chloride	2.18	62	167854	46.036	ug/l	100
5) Bromomethane	2.54	94	96086	44.813	ug/l	98
6) Chloroethane	2.69	64	98374	46.300	ug/l	96
7) Trichlorofluoromethane	3.01	101	224258	47.933	ug/l	99
8) Diethyl Ether	3.41	74	94668	51.899	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	138096	49.129	ug/l	100
10) Methyl Iodide	3.95	142	185981	49.467	ug/l	99
11) Tert butyl alcohol	4.79	59	149247	270.272	ug/l	99
12) 1,1-Dichloroethene	3.73	96	138397	49.086	ug/l	96
13) Acrolein	3.60	56	42207	224.901	ug/l	97
14) Allyl chloride	4.32	41	236358	48.475	ug/l	99
15) Acrylonitrile	4.99	53	417447	261.772	ug/l	99
16) Acetone	3.82	43	327479	214.204	ug/l	99
17) Carbon Disulfide	4.05	76	331095	44.439	ug/l	100
18) Methyl Acetate	4.32	43	186003	54.254	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	463458	51.590	ug/l	97
20) Methylene Chloride	4.55	84	166948	49.970	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	147319	49.431	ug/l	97
22) Diisopropyl ether	5.95	45	501922	52.151	ug/l	99
23) Vinyl Acetate	5.90	43	2063822	264.626	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279954	50.171	ug/l	100
25) 2-Butanone	6.83	43	550649	246.359	ug/l	99
26) 2,2-Dichloropropane	6.82	77	176450	43.856	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	175922	51.299	ug/l	100
28) Bromochloromethane	7.19	49	135193	51.530	ug/l	100
29) Tetrahydrofuran	7.21	42	375808	257.787	ug/l	98
30) Chloroform	7.37	83	280066	50.157	ug/l	99
31) Cyclohexane	7.65	56	256538	48.371	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	228224	51.682	ug/l	99
36) 1,1-Dichloropropene	7.79	75	205449	47.559	ug/l	99
37) Ethyl Acetate	6.93	43	223135	52.408	ug/l	98
38) Carbon Tetrachloride	7.77	117	200049	49.381	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	252212	47.284	ug/l	98
40) Benzene	8.04	78	656165	49.573	ug/l	100
41) Methacrylonitrile	7.18	41	105125	56.211	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	207980	49.717	ug/l	100
43) Isopropyl Acetate	8.17	43	356751	53.299	ug/l	98
44) Trichloroethene	8.83	130	175393	48.797	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177973	50.602	ug/l	98
46) Dibromomethane	9.21	93	111928	51.354	ug/l	98
47) Bromodichloromethane	9.40	83	213726	51.603	ug/l	99
48) Methyl methacrylate	9.20	41	173429	53.577	ug/l	99
49) 1,4-Dioxane	9.20	88	70112	1055.591	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1112571	256.638	ug/l	99
52) Toluene	10.16	92	401342	51.056	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	226019	52.306	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	256231	51.100	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	167388	50.769	ug/l	99
56) Ethyl methacrylate	10.43	69	254355	53.616	ug/l	99
57) 1,3-Dichloropropane	10.71	76	275953	51.246	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	562788	246.701	ug/l	100
59) 2-Hexanone	10.75	43	801054	257.520	ug/l	99
60) Dibromochloromethane	10.90	129	172734	53.271	ug/l	100
61) 1,2-Dibromoethane	11.00	107	174076	53.126	ug/l	99
64) Tetrachloroethene	10.63	164	176883	48.987	ug/l	99
65) Chlorobenzene	11.43	112	436104	50.959	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	162371	51.530	ug/l	98
67) Ethyl Benzene	11.51	91	762583	50.704	ug/l	99
68) m/p-Xylenes	11.62	106	569189	101.265	ug/l	99
69) o-Xylene	11.95	106	279948	50.661	ug/l	98
70) Styrene	11.96	104	473607	53.013	ug/l	100
71) Bromoform	12.13	173	129317	53.938	ug/l #	98
73) Isopropylbenzene	12.25	105	740351	48.842	ug/l	99
74) N-amyl acetate	12.07	43	277964	49.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	238775	54.577	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	211404m	51.416	ug/l	
77) Bromobenzene	12.52	156	196125	49.468	ug/l	97
78) n-propylbenzene	12.59	91	817305	48.568	ug/l	99
79) 2-Chlorotoluene	12.67	91	496440	53.500	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	628997	48.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66505	49.953	ug/l	100
82) 4-Chlorotoluene	12.77	91	483506	48.960	ug/l	100
83) tert-Butylbenzene	12.99	119	544068	54.456	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	617842	49.228	ug/l	99
85) sec-Butylbenzene	13.17	105	699224	48.981	ug/l	99
86) p-Isopropyltoluene	13.29	119	638114	49.344	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	319071	49.107	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	311821	49.337	ug/l	99
89) n-Butylbenzene	13.61	91	503690	48.354	ug/l	99
90) Hexachloroethane	13.87	117	106130	50.749	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	326618	49.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40620	49.975	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	158286	43.623	ug/l	99
94) Hexachlorobutadiene	15.01	225	111472	53.481	ug/l	99
95) Naphthalene	15.13	128	403352	40.947	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	161639	44.721	ug/l	99

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

