

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055317.D
 Acq On : 1 May 2019 9:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:33:58 AM

Quant Time: May 02 08:23:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	403820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	627293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	539573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	249484	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	200615	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.09	98	729636	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	247466	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	241127	48.736	ug/l	98
3) Chloromethane	2.06	50	276445	45.123	ug/l	99
4) Vinyl Chloride	2.19	62	225314	45.625	ug/l	99
5) Bromomethane	2.56	94	118420	45.270	ug/l	100
6) Chloroethane	2.70	64	119336	44.607	ug/l	99
7) Trichlorofluoromethane	3.02	101	327167	46.590	ug/l	100
8) Diethyl Ether	3.41	74	113057	46.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194874	46.602	ug/l	98
10) Methyl Iodide	3.95	142	280473	47.659	ug/l	100
11) Tert butyl alcohol	4.78	59	67831	224.265	ug/l	99
12) 1,1-Dichloroethene	3.74	96	186295	46.701	ug/l	99
13) Acrolein	3.61	56	53334	225.791	ug/l	98
14) Allyl chloride	4.32	41	384024	46.482	ug/l	100
15) Acrylonitrile	4.99	53	398804	234.578	ug/l	100
16) Acetone	3.82	43	417663	253.732	ug/l	100
17) Carbon Disulfide	4.05	76	487975	46.874	ug/l	99
18) Methyl Acetate	4.33	43	196363	48.948	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	524136	46.738	ug/l	99
20) Methylene Chloride	4.55	84	216518	43.094	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	194832	46.117	ug/l	96
22) Diisopropyl ether	5.95	45	790695	48.168	ug/l	100
23) Vinyl Acetate	5.90	43	2650926	246.401	ug/l	100
24) 1,1-Dichloroethane	5.85	63	406081	46.429	ug/l	99
25) 2-Butanone	6.83	43	520318	247.168	ug/l	100
26) 2,2-Dichloropropane	6.82	77	284858	47.165	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	227354	47.323	ug/l	98
28) Bromochloromethane	7.19	49	205216	46.548	ug/l	99
29) Tetrahydrofuran	7.21	42	319318	236.889	ug/l	99
30) Chloroform	7.37	83	383691	46.278	ug/l	100
31) Cyclohexane	7.65	56	371097	44.658	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	317363	47.164	ug/l	98
36) 1,1-Dichloropropene	7.79	75	288310	47.984	ug/l	99
37) Ethyl Acetate	6.93	43	211976	46.032	ug/l	99
38) Carbon Tetrachloride	7.77	117	273375	47.166	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	314707	49.263	ug/l	98
40) Benzene	8.04	78	858627	48.475	ug/l	99
41) Methacrylonitrile	7.18	41	128923	51.703	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	295974	47.179	ug/l	99
43) Isopropyl Acetate	8.16	43	371311	50.174	ug/l #	86
44) Trichloroethene	8.83	130	212784	47.123	ug/l	100
45) 1,2-Dichloropropane	9.12	63	246528	48.257	ug/l	98
46) Dibromomethane	9.21	93	134168	48.048	ug/l	99
47) Bromodichloromethane	9.40	83	294962	49.238	ug/l	97
48) Methyl methacrylate	9.20	41	172968	47.543	ug/l	96
49) 1,4-Dioxane	9.20	88	39474	1049.607	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1030960	247.434	ug/l	99
52) Toluene	10.16	92	504604	49.651	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	276571	53.183	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	336020	51.824	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	185746	49.218	ug/l	98
56) Ethyl methacrylate	10.43	69	235310	50.657	ug/l	100
57) 1,3-Dichloropropane	10.71	76	328907	49.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	341451	237.507	ug/l	99
59) 2-Hexanone	10.75	43	674551	258.747	ug/l	98
60) Dibromochloromethane	10.90	129	197073	51.093	ug/l	97
61) 1,2-Dibromoethane	11.00	107	175521	50.318	ug/l	100
64) Tetrachloroethene	10.63	164	210362	47.674	ug/l	98
65) Chlorobenzene	11.43	112	512811	48.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	193498	46.843	ug/l	98
67) Ethyl Benzene	11.51	91	951604	49.953	ug/l	99
68) m/p-Xylenes	11.62	106	702181	103.265	ug/l	98
69) o-Xylene	11.95	106	343769	51.006	ug/l	99
70) Styrene	11.96	104	568308	54.918	ug/l	100
71) Bromoform	12.13	173	122564	53.472	ug/l #	98
73) Isopropylbenzene	12.25	105	920712	50.727	ug/l	100
74) N-amyl acetate	12.07	43	279083	47.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219871	48.510	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	178791m	41.713	ug/l	
77) Bromobenzene	12.52	156	219655	50.454	ug/l	99
78) n-propylbenzene	12.59	91	1035896	44.170	ug/l	100
79) 2-Chlorotoluene	12.67	91	635973	51.476	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	790494	44.164	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56689	47.054	ug/l	100
82) 4-Chlorotoluene	12.77	91	620915	45.535	ug/l	99
83) tert-Butylbenzene	12.99	119	658434	52.093	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	754740	47.148	ug/l	99
85) sec-Butylbenzene	13.17	105	860720	44.243	ug/l	99
86) p-Isopropyltoluene	13.29	119	751929	47.025	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	371136	48.578	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	355976	49.477	ug/l	99
89) n-Butylbenzene	13.61	91	605155	53.260	ug/l	100
90) Hexachloroethane	13.87	117	125137	49.407	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	362309	47.848	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31021	51.645	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141269	47.500	ug/l	97
94) Hexachlorobutadiene	15.01	225	135233	59.906	ug/l	98
95) Naphthalene	15.13	128	266314	42.500	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142542	48.565	ug/l	98

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

