

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055334.D
 Acq On : 1 May 2019 17:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:35:46 AM

Quant Time: May 02 04:08:39 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	7.67	168	389700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	626517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261069	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	209076	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.09	98	757342	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	250673	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	236244	49.479	ug/l	100
3) Chloromethane	2.06	50	276404	46.751	ug/l	99
4) Vinyl Chloride	2.19	62	221160	46.406	ug/l	100
5) Bromomethane	2.56	94	118235	46.837	ug/l	99
6) Chloroethane	2.70	64	119913	46.447	ug/l	97
7) Trichlorofluoromethane	3.02	101	328081	48.413	ug/l	99
8) Diethyl Ether	3.41	74	116041	48.943	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	192737	47.761	ug/l	100
10) Methyl Iodide	3.96	142	283717	49.957	ug/l	99
11) Tert butyl alcohol	4.79	59	78039	267.363	ug/l	99
12) 1,1-Dichloroethene	3.74	96	183673	47.712	ug/l	99
13) Acrolein	3.61	56	55781	244.707	ug/l	99
14) Allyl chloride	4.33	41	385610	48.365	ug/l	99
15) Acrylonitrile	4.99	53	431232	262.843	ug/l	99
16) Acetone	3.82	43	392915	247.346	ug/l	100
17) Carbon Disulfide	4.06	76	450931	44.885	ug/l	100
18) Methyl Acetate	4.33	43	210275	54.431	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	551933	51.000	ug/l	99
20) Methylene Chloride	4.55	84	220710	45.520	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193025	47.345	ug/l	98
22) Diisopropyl ether	5.95	45	804555	50.788	ug/l	96
23) Vinyl Acetate	5.90	43	2776691	267.443	ug/l	100
24) 1,1-Dichloroethane	5.85	63	413790	49.025	ug/l	99
25) 2-Butanone	6.84	43	543030	267.304	ug/l	98
26) 2,2-Dichloropropane	6.83	77	281493	48.296	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	231515	49.935	ug/l	99
28) Bromochloromethane	7.20	49	205516	48.305	ug/l	99
29) Tetrahydrofuran	7.21	42	352128	270.694	ug/l	99
30) Chloroform	7.37	83	395157	49.388	ug/l	99
31) Cyclohexane	7.65	56	354982	44.266	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	316480	48.737	ug/l	99
36) 1,1-Dichloropropene	7.79	75	283524	47.246	ug/l	99
37) Ethyl Acetate	6.93	43	235085	51.113	ug/l	97
38) Carbon Tetrachloride	7.78	117	272162	47.015	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	284845	44.644	ug/l	99
40) Benzene	8.04	78	865425	48.920	ug/l	99
41) Methacrylonitrile	7.17	41	130595	52.428	ug/l	98
42) 1,2-Dichloroethane	8.13	62	304925	48.666	ug/l	100
43) Isopropyl Acetate	8.17	43	400009	54.118	ug/l	99
44) Trichloroethene	8.84	130	212176	47.047	ug/l	96
45) 1,2-Dichloropropane	9.12	63	250854	49.165	ug/l	99
46) Dibromomethane	9.21	93	138060	49.503	ug/l	99
47) Bromodichloromethane	9.40	83	301978	50.472	ug/l	99
48) Methyl methacrylate	9.20	41	185430	51.032	ug/l	96
49) 1,4-Dioxane	9.20	88	40239	1071.273	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1128406	271.157	ug/l	99
52) Toluene	10.16	92	506047	49.854	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	285045	54.880	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	338351	52.248	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	188943	50.127	ug/l	99
56) Ethyl methacrylate	10.43	69	253181	54.572	ug/l	98
57) 1,3-Dichloropropane	10.71	76	334616	50.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	332798	232.074	ug/l	100
59) 2-Hexanone	10.75	43	705094	270.798	ug/l	99
60) Dibromochloromethane	10.90	129	203859	52.918	ug/l	99
61) 1,2-Dibromoethane	11.01	107	181299	52.039	ug/l	98
64) Tetrachloroethene	10.63	164	200649	44.983	ug/l	99
65) Chlorobenzene	11.43	112	514919	48.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	202738	48.551	ug/l	99
67) Ethyl Benzene	11.51	91	937056	48.659	ug/l	100
68) m/p-Xylenes	11.62	106	690841	100.503	ug/l	98
69) o-Xylene	11.95	106	340425	49.966	ug/l	99
70) Styrene	11.96	104	563842	53.900	ug/l	100
71) Bromoform	12.13	173	127938	55.215	ug/l #	100
73) Isopropylbenzene	12.25	105	886408	51.892	ug/l	100
74) N-amyl acetate	12.07	43	298991	54.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	234842	55.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	232250m	58.497	ug/l	
77) Bromobenzene	12.53	156	219126	53.540	ug/l	97
78) n-propylbenzene	12.59	91	973418	44.040	ug/l	100
79) 2-Chlorotoluene	12.67	91	600923	51.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	730894	43.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55359	48.755	ug/l	95
82) 4-Chlorotoluene	12.77	91	581503	45.248	ug/l	99
83) tert-Butylbenzene	12.99	119	605872	50.788	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	701974	46.529	ug/l	100
85) sec-Butylbenzene	13.17	105	788448	43.002	ug/l	99
86) p-Isopropyltoluene	13.29	119	680089	45.129	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	337681	46.898	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	328201	48.402	ug/l	99
89) n-Butylbenzene	13.61	91	527638	49.274	ug/l	99
90) Hexachloroethane	13.87	117	116825	48.927	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336784	47.192	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31970	56.475	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122731	44.046	ug/l	97
94) Hexachlorobutadiene	15.01	225	113838	53.191	ug/l	98
95) Naphthalene	15.13	128	253879	42.951	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	124044	45.044	ug/l	97

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

