

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053813.D
 Acq On : 15 Feb 2019 21:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:52 AM

Quant Time: Feb 16 00:21:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	635227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	962814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	849570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	413729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	323097	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	7.59	113	313735	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.09	98	1139719	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	395241	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	287439	40.204	ug/l	98
3) Chloromethane	2.06	50	331433	43.948	ug/l	97
4) Vinyl Chloride	2.19	62	358495	48.970	ug/l	99
5) Bromomethane	2.57	94	240998	50.348	ug/l	98
6) Chloroethane	2.71	64	224764	53.727	ug/l	99
7) Trichlorofluoromethane	3.02	101	491957	49.555	ug/l	99
8) Diethyl Ether	3.41	74	186078	51.324	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	302012	49.190	ug/l	99
10) Methyl Iodide	3.96	142	454575	47.171	ug/l	100
11) Tert butyl alcohol	4.78	59	95226	252.493	ug/l	100
12) 1,1-Dichloroethene	3.74	96	282822	48.080	ug/l	98
13) Acrolein	3.61	56	44723	217.801	ug/l	99
14) Allyl chloride	4.33	41	450339	48.082	ug/l	99
15) Acrylonitrile	4.99	53	513807	252.360	ug/l	100
16) Acetone	3.82	43	358539	219.347	ug/l	99
17) Carbon Disulfide	4.06	76	758598	41.416	ug/l	100
18) Methyl Acetate	4.32	43	288746	59.648	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	769347	51.592	ug/l	98
20) Methylene Chloride	4.55	84	330726	48.227	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	286368	45.124	ug/l	97
22) Diisopropyl ether	5.95	45	867642	49.995	ug/l	98
23) Vinyl Acetate	5.90	43	2922160	243.402	ug/l	98
24) 1,1-Dichloroethane	5.85	63	547528	47.302	ug/l	100
25) 2-Butanone	6.83	43	552141	236.842	ug/l	99
26) 2,2-Dichloropropane	6.83	77	377173	42.686	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	342490	48.533	ug/l	97
28) Bromochloromethane	7.20	49	244744	48.723	ug/l	94
29) Tetrahydrofuran	7.21	42	371872	248.416	ug/l	97
30) Chloroform	7.37	83	551769	48.087	ug/l	99
31) Cyclohexane	7.66	56	463704	43.003	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	459165	48.084	ug/l	99
36) 1,1-Dichloropropene	7.79	75	404334	46.587	ug/l	99
37) Ethyl Acetate	6.93	43	248751	51.317	ug/l	99
38) Carbon Tetrachloride	7.77	117	406553	46.499	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	459106	44.587	ug/l	99
40) Benzene	8.04	78	1250423	46.720	ug/l	100
41) Methacrylonitrile	7.18	41	134084	49.493	ug/l	90
42) 1,2-Dichloroethane	8.13	62	371440	46.740	ug/l	99
43) Isopropyl Acetate	8.16	43	444343	47.466	ug/l	99
44) Trichloroethene	8.84	130	350361	45.981	ug/l	97
45) 1,2-Dichloropropane	9.12	63	332888	48.628	ug/l	99
46) Dibromomethane	9.21	93	197403	47.836	ug/l	97
47) Bromodichloromethane	9.40	83	423037	49.305	ug/l	98
48) Methyl methacrylate	9.20	41	212402	47.533	ug/l	93
49) 1,4-Dioxane	9.20	88	62591	967.974	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1190211	258.733	ug/l	100
52) Toluene	10.16	92	751803	47.329	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	417546	48.599	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	485143	47.652	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	285274	49.840	ug/l	98
56) Ethyl methacrylate	10.43	69	349317	51.588	ug/l	98
57) 1,3-Dichloropropane	10.71	76	478747	48.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	805549	193.689	ug/l	98
59) 2-Hexanone	10.75	43	748517	239.686	ug/l	98
60) Dibromochloromethane	10.90	129	328600	50.909	ug/l	100
61) 1,2-Dibromoethane	11.01	107	274077	48.378	ug/l	99
64) Tetrachloroethene	10.63	164	340797	46.796	ug/l	99
65) Chlorobenzene	11.43	112	840815	46.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	317804	50.427	ug/l	99
67) Ethyl Benzene	11.51	91	1394139	47.030	ug/l	99
68) m/p-Xylenes	11.62	106	1088019	96.167	ug/l	99
69) o-Xylene	11.95	106	531431	48.620	ug/l	99
70) Styrene	11.96	104	869373	49.073	ug/l	100
71) Bromoform	12.13	173	227245	52.594	ug/l #	98
73) Isopropylbenzene	12.25	105	1385591	47.640	ug/l	100
74) N-amyl acetate	12.07	43	342436	48.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	341600	49.076	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	282126m	53.090	ug/l	
77) Bromobenzene	12.53	156	378786	48.324	ug/l	97
78) n-propylbenzene	12.59	91	1589930	47.288	ug/l	99
79) 2-Chlorotoluene	12.67	91	946060	47.428	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1184780	49.124	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90275	47.768	ug/l	98
82) 4-Chlorotoluene	12.77	91	951041	46.463	ug/l	99
83) tert-Butylbenzene	12.99	119	1052636	49.382	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1209271	49.213	ug/l	99
85) sec-Butylbenzene	13.17	105	1418364	48.897	ug/l	99
86) p-Isopropyltoluene	13.29	119	1239313	48.851	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	655050	46.487	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	644617	46.247	ug/l	99
89) n-Butylbenzene	13.62	91	1031519	46.975	ug/l	99
90) Hexachloroethane	13.87	117	216255	51.679	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	643134	47.675	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49030	49.424	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	363228	46.948	ug/l	98
94) Hexachlorobutadiene	15.01	225	232716	48.299	ug/l	99
95) Naphthalene	15.13	128	733094	40.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	346167	48.221	ug/l	99

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

