

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053608.D
 Acq On : 4 Feb 2019 20:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:54:33 AM

Quant Time: Feb 05 03:40:25 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	758903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1180161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1035478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	487684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	381429	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	363571	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.09	98	1343800	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	456809	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	403687	47.203	ug/l	100
3) Chloromethane	2.06	50	454341	50.428	ug/l	99
4) Vinyl Chloride	2.19	62	437279	49.997	ug/l	100
5) Bromomethane	2.57	94	275234	48.130	ug/l	99
6) Chloroethane	2.71	64	251335	50.287	ug/l	99
7) Trichlorofluoromethane	3.02	101	569888	48.050	ug/l	100
8) Diethyl Ether	3.41	74	216254	49.926	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	347264	47.343	ug/l	98
10) Methyl Iodide	3.96	142	560242	48.662	ug/l	100
11) Tert butyl alcohol	4.77	59	115357	256.024	ug/l	99
12) 1,1-Dichloroethene	3.74	96	348776	49.629	ug/l	97
13) Acrolein	3.61	56	116828	476.233	ug/l	100
14) Allyl chloride	4.33	41	520412	46.509	ug/l	94
15) Acrylonitrile	4.99	53	645602	265.416	ug/l	99
16) Acetone	3.82	43	410807	210.366	ug/l	99
17) Carbon Disulfide	4.06	76	997646	45.591	ug/l	100
18) Methyl Acetate	4.33	43	293529	50.754	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	931456	52.284	ug/l	99
20) Methylene Chloride	4.55	84	389541	47.546	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	366744	48.371	ug/l	97
22) Diisopropyl ether	5.95	45	1094051	52.768	ug/l	97
23) Vinyl Acetate	5.90	43	3803280	265.168	ug/l	99
24) 1,1-Dichloroethane	5.85	63	676731	48.936	ug/l	98
25) 2-Butanone	6.84	43	691180	248.166	ug/l	99
26) 2,2-Dichloropropane	6.83	77	468514	44.382	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	428161	50.786	ug/l	96
28) Bromochloromethane	7.20	49	302907	50.475	ug/l	97
29) Tetrahydrofuran	7.21	42	476311	266.329	ug/l	99
30) Chloroform	7.37	83	666816	48.643	ug/l	100
31) Cyclohexane	7.66	56	613285	47.625	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566561	49.662	ug/l	98
36) 1,1-Dichloropropene	7.80	75	513867	48.303	ug/l	99
37) Ethyl Acetate	6.93	43	319545	53.781	ug/l	100
38) Carbon Tetrachloride	7.78	117	496139	46.294	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	579553	45.918	ug/l	99
40) Benzene	8.04	78	1573549	47.965	ug/l	99
41) Methacrylonitrile	7.17	41	165669	49.889	ug/l	90
42) 1,2-Dichloroethane	8.12	62	466297	47.870	ug/l	100
43) Isopropyl Acetate	8.16	43	569113	49.598	ug/l	98
44) Trichloroethene	8.84	130	431625	46.214	ug/l	97
45) 1,2-Dichloropropane	9.12	63	410085	48.872	ug/l	98
46) Dibromomethane	9.21	93	240640	47.574	ug/l	98
47) Bromodichloromethane	9.40	83	509890	48.483	ug/l	100
48) Methyl methacrylate	9.20	41	268021	48.933	ug/l	94
49) 1,4-Dioxane	9.20	88	73374	927.459	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1503690	266.678	ug/l	100
52) Toluene	10.16	92	948011	48.690	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	517161	49.108	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	607675	48.695	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	350620	49.975	ug/l	99
56) Ethyl methacrylate	10.43	69	436298	52.567	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585940	48.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1206220	234.839	ug/l	99
59) 2-Hexanone	10.75	43	951759	248.639	ug/l	98
60) Dibromochloromethane	10.90	129	386470	48.848	ug/l	99
61) 1,2-Dibromoethane	11.01	107	332959	47.948	ug/l	99
64) Tetrachloroethene	10.63	164	402651	45.362	ug/l	99
65) Chlorobenzene	11.44	112	1035734	47.090	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	373324	48.601	ug/l	99
67) Ethyl Benzene	11.51	91	1750321	48.444	ug/l	100
68) m/p-Xylenes	11.62	106	1352005	98.045	ug/l	98
69) o-Xylene	11.95	106	660578	49.585	ug/l	99
70) Styrene	11.97	104	1073031	49.694	ug/l	100
71) Bromoform	12.13	173	267669	50.828	ug/l #	99
73) Isopropylbenzene	12.25	105	1697710	49.520	ug/l	100
74) N-amyl acetate	12.07	43	441120	53.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	405038	49.365	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	334403m	53.385	ug/l	
77) Bromobenzene	12.53	156	450950	48.806	ug/l	99
78) n-propylbenzene	12.59	91	1951205	49.233	ug/l	100
79) 2-Chlorotoluene	12.68	91	1157251	49.218	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1440769	50.679	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	108792	48.837	ug/l	100
82) 4-Chlorotoluene	12.77	91	1182042	48.991	ug/l	100
83) tert-Butylbenzene	12.99	119	1256048	49.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1473364	50.868	ug/l	99
85) sec-Butylbenzene	13.17	105	1686046	49.311	ug/l	100
86) p-Isopropyltoluene	13.29	119	1488054	49.761	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	789494	47.532	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	787934	47.957	ug/l	99
89) n-Butylbenzene	13.62	91	1249447	48.271	ug/l	100
90) Hexachloroethane	13.87	117	243384	49.342	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	764032	48.049	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58078	49.667	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	446085	48.914	ug/l	99
94) Hexachlorobutadiene	15.01	225	234755	41.334	ug/l	99
95) Naphthalene	15.13	128	1012643	47.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	414855	49.025	ug/l	100

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

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