

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053610.D
 Acq On : 5 Feb 2019 10:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:46:49 PM

Quant Time: Feb 06 03:38:31 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	7.66	168	874656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1279983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1122530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	544013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	397047	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
35) Dibromofluoromethane	7.59	113	384350	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1438752	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.40	95	490502	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	476203	48.305	ug/l	99
3) Chloromethane	2.06	50	491442	47.327	ug/l	100
4) Vinyl Chloride	2.19	62	481863	47.803	ug/l	99
5) Bromomethane	2.57	94	304593	46.215	ug/l	99
6) Chloroethane	2.71	64	277208	48.124	ug/l	99
7) Trichlorofluoromethane	3.02	101	661869	48.420	ug/l	98
8) Diethyl Ether	3.41	74	232257	46.525	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	421945	49.911	ug/l	98
10) Methyl Iodide	3.95	142	629759	47.461	ug/l	100
11) Tert butyl alcohol	4.77	59	127480	245.486	ug/l	100
12) 1,1-Dichloroethene	3.74	96	390006	48.152	ug/l	98
13) Acrolein	3.61	56	88860	314.288	ug/l	99
14) Allyl chloride	4.32	41	623898	48.379	ug/l	99
15) Acrylonitrile	4.98	53	676171	241.195	ug/l	100
16) Acetone	3.81	43	569109	252.861	ug/l	98
17) Carbon Disulfide	4.05	76	1156739	45.866	ug/l	99
18) Methyl Acetate	4.32	43	314530	47.188	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1004628	48.928	ug/l	99
20) Methylene Chloride	4.55	84	435676	46.140	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	412279	47.181	ug/l	98
22) Diisopropyl ether	5.95	45	1203461	50.363	ug/l	95
23) Vinyl Acetate	5.89	43	4131291	249.918	ug/l	99
24) 1,1-Dichloroethane	5.85	63	759756	47.669	ug/l	100
25) 2-Butanone	6.83	43	787977	245.479	ug/l	98
26) 2,2-Dichloropropane	6.82	77	592067	48.663	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	469571	48.326	ug/l	98
28) Bromochloromethane	7.19	49	323836	46.821	ug/l	96
29) Tetrahydrofuran	7.21	42	493272	239.311	ug/l	97
30) Chloroform	7.37	83	744796	47.141	ug/l	100
31) Cyclohexane	7.65	56	708555	47.742	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	635207	48.311	ug/l	99
36) 1,1-Dichloropropene	7.79	75	588958	51.044	ug/l	99
37) Ethyl Acetate	6.92	43	328775	51.019	ug/l	99
38) Carbon Tetrachloride	7.77	117	577280	49.665	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	723422	52.847	ug/l	99
40) Benzene	8.04	78	1751231	49.218	ug/l	99
41) Methacrylonitrile	7.17	41	173274	48.110	ug/l	86
42) 1,2-Dichloroethane	8.12	62	510576	48.328	ug/l	99
43) Isopropyl Acetate	8.16	43	576009	46.284	ug/l	98
44) Trichloroethene	8.83	130	501571	49.515	ug/l	99
45) 1,2-Dichloropropane	9.12	63	455168	50.015	ug/l	100
46) Dibromomethane	9.21	93	263451	48.022	ug/l	98
47) Bromodichloromethane	9.40	83	570186	49.988	ug/l	99
48) Methyl methacrylate	9.20	41	283618	47.743	ug/l	93
49) 1,4-Dioxane	9.20	88	82742	962.754	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1573703	257.329	ug/l	100
52) Toluene	10.16	92	1063320	50.353	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	578828	50.677	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	689213	50.921	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	376774	49.514	ug/l	100
56) Ethyl methacrylate	10.43	69	472467	52.485	ug/l	99
57) 1,3-Dichloropropane	10.71	76	635238	48.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1127836	203.559	ug/l	99
59) 2-Hexanone	10.75	43	1058691	255.005	ug/l	99
60) Dibromochloromethane	10.90	129	434852	50.677	ug/l	99
61) 1,2-Dibromoethane	11.00	107	358917	47.655	ug/l	99
64) Tetrachloroethene	10.63	164	471366	48.986	ug/l	99
65) Chlorobenzene	11.43	112	1170404	49.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	422308	50.714	ug/l	100
67) Ethyl Benzene	11.51	91	1981547	50.591	ug/l	99
68) m/p-Xylenes	11.62	106	1543182	103.230	ug/l	100
69) o-Xylene	11.95	106	738969	51.168	ug/l	100
70) Styrene	11.96	104	1217454	52.010	ug/l	100
71) Bromoform	12.13	173	294745	51.629	ug/l #	99
73) Isopropylbenzene	12.25	105	1937628	50.666	ug/l	100
74) N-amyl acetate	12.07	43	473249	51.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	432468	47.251	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	352681m	50.473	ug/l	
77) Bromobenzene	12.53	156	508547	49.341	ug/l	98
78) n-propylbenzene	12.59	91	2286058	51.709	ug/l	100
79) 2-Chlorotoluene	12.67	91	1313129	50.064	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1658128	52.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	123800	49.820	ug/l	98
82) 4-Chlorotoluene	12.77	91	1364839	50.711	ug/l	100
83) tert-Butylbenzene	12.99	119	1444209	51.526	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1685523	52.168	ug/l	100
85) sec-Butylbenzene	13.17	105	1970964	51.675	ug/l	100
86) p-Isopropyltoluene	13.29	119	1753075	52.553	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	920170	49.663	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	911025	49.707	ug/l	99
89) n-Butylbenzene	13.61	91	1526003	52.851	ug/l	100
90) Hexachloroethane	13.88	117	284421	51.691	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	870425	49.072	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61599	47.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	528676	51.967	ug/l	99
94) Hexachlorobutadiene	15.01	225	297646	46.981	ug/l	100
95) Naphthalene	15.13	128	1082892	45.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	472644	50.071	ug/l	100

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

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