

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057120.D
 Acq On : 8 Aug 2019 10:03
 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
 8/9/2019 9:27:52 AM

Quant Time: Aug 09 03:25:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1259818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1819415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1628509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	656568	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	637132	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	6.98	113	585306	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	9.56	98	2267549	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.92	95	752959	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	472563	46.670	ug/l	99
3) Chloromethane	2.00	50	616215	45.803	ug/l	98
4) Vinyl Chloride	2.11	62	619522	49.541	ug/l	100
5) Bromomethane	2.43	94	422037	49.670	ug/l	96
6) Chloroethane	2.55	64	396459	49.427	ug/l	96
7) Trichlorofluoromethane	2.82	101	881588	49.045	ug/l	99
8) Diethyl Ether	3.14	74	344111	49.550	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	539257	49.488	ug/l	98
10) Methyl Iodide	3.63	142	845980	51.375	ug/l	100
11) Tert butyl alcohol	4.23	59	400081	216.994	ug/l	99
12) 1,1-Dichloroethene	3.43	96	542505	50.608	ug/l	99
13) Acrolein	3.31	56	260686	223.499	ug/l	99
14) Allyl chloride	3.91	41	808249	51.882	ug/l	99
15) Acrylonitrile	4.44	53	1225999	245.694	ug/l	99
16) Acetone	3.47	43	1209329	309.069	ug/l	100
17) Carbon Disulfide	3.72	76	1479879	51.892	ug/l	99
18) Methyl Acetate	3.89	43	562475	48.224	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1638503	50.629	ug/l	99
20) Methylene Chloride	4.10	84	627370	48.583	ug/l	99
21) trans-1,2-Dichloroethene	4.50	96	589924	50.518	ug/l	98
22) Diisopropyl ether	5.31	45	1700926	50.056	ug/l	99
23) Vinyl Acetate	5.26	43	6777580	260.465	ug/l	99
24) 1,1-Dichloroethane	5.25	63	1032134	49.410	ug/l	99
25) 2-Butanone	6.20	43	1603141	268.165	ug/l	98
26) 2,2-Dichloropropane	6.21	77	869153	57.191	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	685575	51.247	ug/l	98
28) Bromochloromethane	6.58	49	478185	49.768	ug/l	98
29) Tetrahydrofuran	6.60	42	972223	241.416	ug/l	99
30) Chloroform	6.76	83	1054391	48.769	ug/l	98
31) Cyclohexane	7.06	56	920962	49.005	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	908738	50.105	ug/l	99
36) 1,1-Dichloropropene	7.20	75	808905	53.998	ug/l	100
37) Ethyl Acetate	6.28	43	617003	49.965	ug/l #	100
38) Carbon Tetrachloride	7.18	117	801577	51.344	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	996256	54.688	ug/l	95
40) Benzene	7.46	78	2446204	51.582	ug/l	98
41) Methacrylonitrile	6.54	41	341797	54.490	ug/l	97
42) 1,2-Dichloroethane	7.54	62	748208	49.470	ug/l	98
43) Isopropyl Acetate	7.56	43	1057677	50.190	ug/l	100
44) Trichloroethene	8.27	130	683830	51.470	ug/l	97
45) 1,2-Dichloropropane	8.56	63	639149	52.052	ug/l	99
46) Dibromomethane	8.65	93	400943	50.925	ug/l	99
47) Bromodichloromethane	8.85	83	804893	52.835	ug/l	99
48) Methyl methacrylate	8.63	41	493723	49.685	ug/l	99
49) 1,4-Dioxane	8.64	88	203891	1007.433	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	3104198	253.101	ug/l	100
52) Toluene	9.62	92	1556136	52.864	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	890581	55.959	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	1012121	55.423	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	589494	50.925	ug/l	99
56) Ethyl methacrylate	9.90	69	860882	53.115	ug/l	99
57) 1,3-Dichloropropane	10.19	76	970069	50.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1605022	248.438	ug/l	99
59) 2-Hexanone	10.24	43	2240867	269.964	ug/l	99
60) Dibromochloromethane	10.39	129	658191	54.140	ug/l	99
61) 1,2-Dibromoethane	10.49	107	615898	51.561	ug/l	99
64) Tetrachloroethene	10.11	164	681198	50.297	ug/l	95
65) Chlorobenzene	10.93	112	1671897	51.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	639030	52.165	ug/l	99
67) Ethyl Benzene	11.01	91	2958606	52.462	ug/l	99
68) m/p-Xylenes	11.12	106	2241614	107.893	ug/l	99
69) o-Xylene	11.46	106	1088722	52.653	ug/l	98
70) Styrene	11.47	104	1794636	55.567	ug/l	100
71) Bromoform	11.64	173	484625	54.006	ug/l	99
73) Isopropylbenzene	11.76	105	2960147	55.652	ug/l	99
74) N-amyl acetate	11.58	43	827607	49.742	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	775360	54.536	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	678750m	53.155	ug/l	
77) Bromobenzene	12.04	156	749053	47.465	ug/l	99
78) n-propylbenzene	12.11	91	3186773	50.593	ug/l	99
79) 2-Chlorotoluene	12.19	91	1895973	54.186	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2432102	47.981	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	242432	54.291	ug/l	96
82) 4-Chlorotoluene	12.29	91	1829946	50.175	ug/l	99
83) tert-Butylbenzene	12.52	119	2124006	53.293	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	2344886	47.860	ug/l	100
85) sec-Butylbenzene	12.70	105	2761529	48.276	ug/l	99
86) p-Isopropyltoluene	12.82	119	2508853	49.983	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1186671	52.818	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	1113762	52.320	ug/l	99
89) n-Butylbenzene	13.15	91	1851051	53.377	ug/l	100
90) Hexachloroethane	13.41	117	442693	55.590	ug/l	98
91) 1,2-Dichlorobenzene	13.18	146	1134565	50.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	107288	46.485	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	462111	48.735	ug/l	99
94) Hexachlorobutadiene	14.55	225	476412	61.729	ug/l	99
95) Naphthalene	14.66	128	955950	50.124	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	458962	47.021	ug/l	99

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

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