

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057315.D
 Acq On : 15 Aug 2019 3:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:24 AM

Quant Time: Aug 15 09:14:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	881497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1331042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1228441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	503624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	473499	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.58	113	425051	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.08	98	1611181	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	557890	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	356640	47.018	ug/l	98
3) Chloromethane	2.05	50	427482	47.747	ug/l	98
4) Vinyl Chloride	2.18	62	406804	48.296	ug/l	99
5) Bromomethane	2.53	94	288271m	48.011	ug/l	
6) Chloroethane	2.69	64	281936	48.661	ug/l	98
7) Trichlorofluoromethane	3.01	101	637837	48.277	ug/l	99
8) Diethyl Ether	3.40	74	241469	48.558	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	365741	47.117	ug/l	97
10) Methyl Iodide	3.95	142	635475	51.216	ug/l	100
11) Tert butyl alcohol	4.76	59	328084	240.824	ug/l	100
12) 1,1-Dichloroethene	3.73	96	380407	49.185	ug/l	99
13) Acrolein	3.60	56	187481	226.692	ug/l	98
14) Allyl chloride	4.31	41	534221	43.091	ug/l	94
15) Acrylonitrile	4.97	53	937190	253.389	ug/l	99
16) Acetone	3.80	43	715514	215.240	ug/l	100
17) Carbon Disulfide	4.05	76	998145	47.904	ug/l	99
18) Methyl Acetate	4.31	43	441647	49.707	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	1216159	50.113	ug/l	99
20) Methylene Chloride	4.54	84	444832	47.826	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	407625	49.010	ug/l	97
22) Diisopropyl ether	5.94	45	1204715	49.191	ug/l	99
23) Vinyl Acetate	5.88	43	4844637	245.792	ug/l	99
24) 1,1-Dichloroethane	5.84	63	737023	48.915	ug/l	99
25) 2-Butanone	6.82	43	1135655	235.912	ug/l	96
26) 2,2-Dichloropropane	6.81	77	432923	35.552	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	473659	48.104	ug/l	97
28) Bromochloromethane	7.18	49	337447	50.405	ug/l #	100
29) Tetrahydrofuran	7.20	42	732832	240.551	ug/l	99
30) Chloroform	7.36	83	753203	47.701	ug/l	98
31) Cyclohexane	7.64	56	609163	46.653	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	667280	50.244	ug/l	99
36) 1,1-Dichloropropene	7.79	75	551928	46.964	ug/l	99
37) Ethyl Acetate	6.91	43	484333	50.317	ug/l	100
38) Carbon Tetrachloride	7.76	117	582929	47.739	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	634014	46.202	ug/l	99
40) Benzene	8.03	78	1720740	47.870	ug/l	99
41) Methacrylonitrile	7.17	41	257703m	59.451	ug/l	
42) 1,2-Dichloroethane	8.12	62	565664	47.547	ug/l	100
43) Isopropyl Acetate	8.16	43	924899	52.285	ug/l	97
44) Trichloroethene	8.83	130	482808	47.775	ug/l	100
45) 1,2-Dichloropropane	9.11	63	444633	47.989	ug/l	100
46) Dibromomethane	9.20	93	296251	47.928	ug/l	100
47) Bromodichloromethane	9.40	83	596637	48.717	ug/l	100
48) Methyl methacrylate	9.19	41	385087	48.583	ug/l	99
49) 1,4-Dioxane	9.19	88	161789	970.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2381845	239.859	ug/l	100
52) Toluene	10.15	92	1095660	48.971	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	618027	46.654	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	685148	46.903	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	426380	48.465	ug/l	98
56) Ethyl methacrylate	10.43	69	644304	50.184	ug/l	100
57) 1,3-Dichloropropane	10.70	76	708676	48.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	816938	217.045	ug/l	100
59) 2-Hexanone	10.75	43	1708243	239.281	ug/l	99
60) Dibromochloromethane	10.90	129	490557	49.757	ug/l	99
61) 1,2-Dibromoethane	11.00	107	455075	48.558	ug/l	100
64) Tetrachloroethene	10.63	164	504262	47.484	ug/l	98
65) Chlorobenzene	11.43	112	1202404	47.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	467063	48.676	ug/l	100
67) Ethyl Benzene	11.51	91	2110422	48.146	ug/l	100
68) m/p-Xylenes	11.62	106	1592152	98.584	ug/l	100
69) o-Xylene	11.95	106	781264	49.269	ug/l	99
70) Styrene	11.96	104	1293437	51.170	ug/l	100
71) Bromoform	12.13	173	378217	49.964	ug/l #	100
73) Isopropylbenzene	12.25	105	2091563	52.387	ug/l	99
74) N-amyl acetate	12.07	43	652020	44.616	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	581335	52.120	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	491216m	49.513	ug/l	
77) Bromobenzene	12.53	156	558542	51.820	ug/l	97
78) n-propylbenzene	12.59	91	2182159	44.995	ug/l	99
79) 2-Chlorotoluene	12.67	91	1359863	51.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1741930	51.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	169800	41.112	ug/l	99
82) 4-Chlorotoluene	12.77	91	1307507	45.496	ug/l	99
83) tert-Butylbenzene	12.99	119	1532224	51.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1636858	45.124	ug/l	99
85) sec-Butylbenzene	13.17	105	1888505	49.554	ug/l	99
86) p-Isopropyltoluene	13.29	119	1671034	44.995	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	831887	47.145	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	778678	46.487	ug/l	99
89) n-Butylbenzene	13.62	91	1233892	46.604	ug/l	100
90) Hexachloroethane	13.88	117	321177	50.889	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	778747	47.343	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77720	43.276	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	260338	40.693	ug/l	99
94) Hexachlorobutadiene	15.01	225	314967	49.937	ug/l	97
95) Naphthalene	15.13	128	526522	51.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	242241	52.459	ug/l	99

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

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