

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050789.D
 Acq On : 21 Aug 2018 18:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:15 AM

Quant Time: Aug 22 06:56:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	645458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	896444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383336	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	364356	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	1384364	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	453074	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	480944	55.68	ug/l	100
3) Chloromethane	2.06	50	524172	49.20	ug/l	99
4) Vinyl Chloride	2.18	62	512980	50.83	ug/l	99
5) Bromomethane	2.56	94	275641	48.01	ug/l	99
6) Chloroethane	2.70	64	291821	50.04	ug/l	99
7) Trichlorofluoromethane	3.01	101	660384	51.10	ug/l	100
8) Diethyl Ether	3.41	74	225319	51.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	407861	50.51	ug/l	100
10) Methyl Iodide	3.95	142	346649	49.06	ug/l	98
11) Tert butyl alcohol	4.79	59	122835	248.25	ug/l	99
12) 1,1-Dichloroethene	3.74	96	370809	51.15	ug/l	100
13) Acrolein	3.61	56	63919	223.28	ug/l	100
14) Allyl chloride	4.33	41	570394	50.49	ug/l	99
15) Acrylonitrile	4.99	53	659099	262.10	ug/l	100
16) Acetone	3.82	43	464987	252.78	ug/l	100
17) Carbon Disulfide	4.05	76	1163085	47.86	ug/l	99
18) Methyl Acetate	4.33	43	351019	47.84	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	973545	53.39	ug/l	99
20) Methylene Chloride	4.55	84	423712	48.38	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	398148	50.78	ug/l	99
22) Diisopropyl ether	5.96	45	1218289	54.12	ug/l	98
23) Vinyl Acetate	5.90	43	3921422	270.48	ug/l	100
24) 1,1-Dichloroethane	5.85	63	725808	50.22	ug/l	99
25) 2-Butanone	6.84	43	727879	232.44	ug/l	99
26) 2,2-Dichloropropane	6.83	77	578312	49.80	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438120	51.83	ug/l	99
28) Bromochloromethane	7.20	49	319694	52.06	ug/l	99
29) Tetrahydrofuran	7.22	42	483476	269.29	ug/l	100
30) Chloroform	7.37	83	727763	50.85	ug/l	100
31) Cyclohexane	7.65	56	659632	50.22	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	627924	51.08	ug/l	99
36) 1,1-Dichloropropene	7.80	75	563214	53.24	ug/l	100
37) Ethyl Acetate	6.93	43	322930	53.14	ug/l	99
38) Carbon Tetrachloride	7.78	117	557150	52.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	616760	53.89	ug/l	99
40) Benzene	8.04	78	1694141	53.11	ug/l	99
41) Methacrylonitrile	7.18	41	164962	50.16	ug/l	97
42) 1,2-Dichloroethane	8.13	62	507501	53.21	ug/l	100
43) Isopropyl Acetate	8.17	43	567949	54.36	ug/l	100
44) Trichloroethene	8.84	130	436527	51.89	ug/l	99
45) 1,2-Dichloropropane	9.12	63	445021	53.08	ug/l	99
46) Dibromomethane	9.21	93	261481	53.08	ug/l	100
47) Bromodichloromethane	9.40	83	553965	53.69	ug/l	97
48) Methyl methacrylate	9.20	41	297519	55.88	ug/l	98
49) 1,4-Dioxane	9.20	88	80655	1111.14	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1630895	261.58	ug/l	100
52) Toluene	10.16	92	1053099	55.73	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	547858	53.35	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	642793	54.66	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	373093	53.20	ug/l	99
56) Ethyl methacrylate	10.43	69	452240	49.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	625138	54.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	986519	247.90	ug/l	99
59) 2-Hexanone	10.75	43	1077501	259.60	ug/l	100
60) Dibromochloromethane	10.90	129	420479	53.54	ug/l	98
61) 1,2-Dibromoethane	11.01	107	365981	53.96	ug/l	100
64) Tetrachloroethene	10.63	164	407152	51.18	ug/l	99
65) Chlorobenzene	11.43	112	1127505	51.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419721	52.40	ug/l	99
67) Ethyl Benzene	11.51	91	1945404	54.66	ug/l	100
68) m/p-Xylenes	11.62	106	1506674	111.52	ug/l	99
69) o-Xylene	11.95	106	717754	55.26	ug/l	100
70) Styrene	11.96	104	1157747	50.57	ug/l	100
71) Bromoform	12.13	173	291404	52.90	ug/l	100
73) Isopropylbenzene	12.25	105	1908471	53.91	ug/l	100
74) N-amyl acetate	12.07	43	479105	53.86	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	461107	54.79	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	369173m	49.30	ug/l	
77) Bromobenzene	12.53	156	487390	50.66	ug/l	98
78) n-propylbenzene	12.59	91	2174929	55.00	ug/l	100
79) 2-Chlorotoluene	12.68	91	1288532	52.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1577746	55.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113283	51.14	ug/l	98
82) 4-Chlorotoluene	12.77	91	1296834	53.33	ug/l	100
83) tert-Butylbenzene	12.99	119	1317326	53.25	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1598954	55.65	ug/l	99
85) sec-Butylbenzene	13.17	105	1771548	54.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1558891	56.44	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	843692	51.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	816806	50.83	ug/l	99
89) n-Butylbenzene	13.62	91	1225387	55.47	ug/l	100
90) Hexachloroethane	13.88	117	272602	51.78	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	812074	51.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64078	50.40	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	379310	46.59	ug/l	100
94) Hexachlorobutadiene	15.01	225	247696	53.12	ug/l	99
95) Naphthalene	15.13	128	741859	44.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	358573	46.90	ug/l	98

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

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