

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050378.D
 Acq On : 6 Aug 2018 12:24
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:05 AM

Quant Time: Aug 06 12:48:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 06 12:34:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	672417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	976500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	504203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	434046	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.59	113	391111	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.09	98	1481430	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	506292	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363742	37.65	ug/l	99
3) Chloromethane	2.06	50	441945	42.08	ug/l	100
4) Vinyl Chloride	2.18	62	469911	42.49	ug/l	97
5) Bromomethane	2.56	94	218715	32.15	ug/l	100
6) Chloroethane	2.70	64	287606	43.30	ug/l	99
7) Trichlorofluoromethane	3.01	101	609598	42.55	ug/l	100
8) Diethyl Ether	3.41	74	223258	46.74	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371980	43.18	ug/l	99
10) Methyl Iodide	3.95	142	162982	14.74	ug/l	97
11) Tert butyl alcohol	4.80	59	176601	255.83	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348831	45.01	ug/l	97
13) Acrolein	3.61	56	229950	414.61	ug/l	99
14) Allyl chloride	4.32	41	576378	47.96	ug/l	98
15) Acrylonitrile	4.99	53	747925	248.34	ug/l	99
16) Acetone	3.82	43	649691	265.55	ug/l	99
17) Carbon Disulfide	4.05	76	1083577	45.64	ug/l	100
18) Methyl Acetate	4.33	43	337917	30.17	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1045789	50.64	ug/l	99
20) Methylene Chloride	4.55	84	411940	43.74	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	382985	46.64	ug/l	99
22) Diisopropyl ether	5.96	45	1227191	51.50	ug/l	99
23) Vinyl Acetate	5.90	43	4466242	265.23	ug/l	99
24) 1,1-Dichloroethane	5.85	63	710052	45.57	ug/l	98
25) 2-Butanone	6.84	43	1115474	311.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	575736	48.57	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	430779	48.73	ug/l	100
28) Bromochloromethane	7.20	49	332072	46.73	ug/l	99
29) Tetrahydrofuran	7.22	42	594259	256.99	ug/l	99
30) Chloroform	7.37	83	716133	45.04	ug/l	99
31) Cyclohexane	7.66	56	636303	42.54	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	615667	45.27	ug/l	100
36) 1,1-Dichloropropene	7.80	75	555126	50.46	ug/l	98
37) Ethyl Acetate	6.93	43	410228	53.48	ug/l	99
38) Carbon Tetrachloride	7.78	117	548065	46.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	606130	53.56	ug/l	98
40) Benzene	8.04	78	1659585	49.57	ug/l	99
41) Methacrylonitrile	7.18	41	207948	57.79	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	526377	47.13	ug/l	100
43) Isopropyl Acetate	8.17	43	678764	36.56	ug/l #	87
44) Trichloroethene	8.84	130	433143	48.15	ug/l	98
45) 1,2-Dichloropropane	9.12	63	434312	48.98	ug/l	98
46) Dibromomethane	9.21	93	266943	48.48	ug/l	99
47) Bromodichloromethane	9.40	83	549790	47.31	ug/l	99
48) Methyl methacrylate	9.20	41	349331	52.88	ug/l	99
49) 1,4-Dioxane	9.20	88	104318	1160.38	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2519631	334.15	ug/l	99
52) Toluene	10.16	92	1028446	52.04	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571278	52.10	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	646627	51.60	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	386624	49.32	ug/l	98
56) Ethyl methacrylate	10.43	69	526431	56.84	ug/l	98
57) 1,3-Dichloropropane	10.71	76	641661	50.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1253320	290.78	ug/l	100
59) 2-Hexanone	10.75	43	1746150	350.93	ug/l	99
60) Dibromochloromethane	10.90	129	432047	49.78	ug/l	99
61) 1,2-Dibromoethane	11.01	107	388855	50.00	ug/l	98
64) Tetrachloroethene	10.63	164	423712	48.19	ug/l	98
65) Chlorobenzene	11.44	112	1119970	48.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	410054	46.20	ug/l	99
67) Ethyl Benzene	11.51	91	1935772	52.17	ug/l	99
68) m/p-Xylenes	11.62	106	1500953	106.94	ug/l	99
69) o-Xylene	11.95	106	718946	53.73	ug/l	99
70) Styrene	11.97	104	1198992	56.66	ug/l	99
71) Bromoform	12.13	173	310458	48.08	ug/l #	98
73) Isopropylbenzene	12.25	105	1910070	48.85	ug/l	100
74) N-amyl acetate	12.07	43	616610	51.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	516935	43.23	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	445385m	47.53	ug/l	
77) Bromobenzene	12.53	156	493041	45.49	ug/l	100
78) n-propylbenzene	12.59	91	2203015	50.40	ug/l	100
79) 2-Chlorotoluene	12.68	91	1307275	48.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1599988	52.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	134592	45.56	ug/l	99
82) 4-Chlorotoluene	12.77	91	1335707	49.79	ug/l	99
83) tert-Butylbenzene	12.99	119	1353713	50.43	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1638087	52.84	ug/l	99
85) sec-Butylbenzene	13.17	105	1805072	50.33	ug/l	100
86) p-Isopropyltoluene	13.29	119	1593800	52.74	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	883445	48.08	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	865837	48.35	ug/l	99
89) n-Butylbenzene	13.62	91	1318980	53.08	ug/l	99
90) Hexachloroethane	13.88	117	256159	38.17	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	865981	47.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85037	44.24	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	472939	58.35	ug/l	98
94) Hexachlorobutadiene	15.01	225	249377	44.35	ug/l	99
95) Naphthalene	15.14	128	1138032	62.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	456208	55.60	ug/l	100

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

