

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050309.D
 Acq On : 3 Aug 2018 13:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:18 AM

Quant Time: Aug 03 23:33:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	429108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410765	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.59	113	363971	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1334648	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	464046	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382764	44.18	ug/l	99
3) Chloromethane	2.06	50	360439	38.28	ug/l	100
4) Vinyl Chloride	2.18	62	405408	40.88	ug/l	98
5) Bromomethane	2.55	94	255601	46.34	ug/l	100
6) Chloroethane	2.69	64	241875	40.61	ug/l	100
7) Trichlorofluoromethane	3.01	101	555234	43.22	ug/l	100
8) Diethyl Ether	3.41	74	215133	50.23	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356686	46.17	ug/l	100
10) Methyl Iodide	3.95	142	186508	18.81	ug/l	99
11) Tert butyl alcohol	4.80	59	186845	301.87	ug/l	100
12) 1,1-Dichloroethene	3.73	96	309495	44.54	ug/l	98
13) Acrolein	3.61	56	109195	219.57	ug/l	96
14) Allyl chloride	4.32	41	525407	48.76	ug/l	98
15) Acrylonitrile	5.00	53	728929	269.93	ug/l	99
16) Acetone	3.82	43	582629	294.81	ug/l	100
17) Carbon Disulfide	4.05	76	807318	37.92	ug/l	100
18) Methyl Acetate	4.33	43	517822	67.77	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	995155	53.74	ug/l	99
20) Methylene Chloride	4.55	84	371661	49.83	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	332599	45.17	ug/l	100
22) Diisopropyl ether	5.96	45	1135366	53.14	ug/l	100
23) Vinyl Acetate	5.90	43	3908633	258.87	ug/l	100
24) 1,1-Dichloroethane	5.85	63	652392	46.70	ug/l	99
25) 2-Butanone	6.84	43	909119	283.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	535041	50.34	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	395854	49.94	ug/l	100
28) Bromochloromethane	7.19	49	314322	49.33	ug/l	99
29) Tetrahydrofuran	7.22	42	580709	280.07	ug/l	100
30) Chloroform	7.37	83	677684	47.53	ug/l	100
31) Cyclohexane	7.65	56	529127	45.66	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	570877	46.81	ug/l	100
36) 1,1-Dichloropropene	7.79	75	487660	49.09	ug/l	100
37) Ethyl Acetate	6.93	43	372857	53.83	ug/l	98
38) Carbon Tetrachloride	7.78	117	501062	47.54	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	510258	49.93	ug/l	99
40) Benzene	8.04	78	1487243	49.20	ug/l	100
41) Methacrylonitrile	7.18	41	185329	51.30	ug/l	91
42) 1,2-Dichloroethane	8.13	62	498915	49.47	ug/l	99
43) Isopropyl Acetate	8.17	43	694416	53.28	ug/l	99
44) Trichloroethene	8.84	130	385830	47.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405648	50.66	ug/l	97
46) Dibromomethane	9.21	93	254352	51.16	ug/l	99
47) Bromodichloromethane	9.40	83	529731	50.49	ug/l	99
48) Methyl methacrylate	9.20	41	343233	57.54	ug/l	100
49) 1,4-Dioxane	9.21	88	99541	1226.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1991593	292.51	ug/l	100
52) Toluene	10.16	92	927839	52.00	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	546373	55.18	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	604105	53.39	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	370581	52.36	ug/l	99
56) Ethyl methacrylate	10.43	69	495687	51.63	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616516	53.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1033135	231.31	ug/l	100
59) 2-Hexanone	10.75	43	1370058	273.35	ug/l	99
60) Dibromochloromethane	10.90	129	417164	53.24	ug/l	98
61) 1,2-Dibromoethane	11.01	107	366005	52.12	ug/l	98
64) Tetrachloroethene	10.63	164	359221	46.00	ug/l	99
65) Chlorobenzene	11.44	112	1018527	49.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396798	50.33	ug/l	100
67) Ethyl Benzene	11.51	91	1748771	53.06	ug/l	100
68) m/p-Xylenes	11.62	106	1352334	108.48	ug/l	100
69) o-Xylene	11.95	106	648882	54.60	ug/l	99
70) Styrene	11.97	104	1076068	50.90	ug/l	99
71) Bromoform	12.13	173	304614	53.12	ug/l #	100
73) Isopropylbenzene	12.25	105	1747939	52.52	ug/l	100
74) N-amyl acetate	12.07	43	547050	53.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	501161	56.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	392674m	49.24	ug/l	
77) Bromobenzene	12.53	156	448793	48.66	ug/l	98
78) n-propylbenzene	12.59	91	2017746	54.24	ug/l	100
79) 2-Chlorotoluene	12.68	91	1198706	51.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1440831	55.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136560	54.32	ug/l	99
82) 4-Chlorotoluene	12.78	91	1206108	52.83	ug/l	99
83) tert-Butylbenzene	12.99	119	1245360	54.51	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1479814	56.08	ug/l	99
85) sec-Butylbenzene	13.17	105	1678568	54.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	1457248	56.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	799650	51.14	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	781777	51.30	ug/l	100
89) n-Butylbenzene	13.62	91	1191102	56.32	ug/l	99
90) Hexachloroethane	13.88	117	267348	46.81	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	790570	50.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79573	53.72	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	406142	49.06	ug/l	97
94) Hexachlorobutadiene	15.01	225	244275	51.05	ug/l	99
95) Naphthalene	15.14	128	950395	48.63	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	416229	51.48	ug/l	98

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

