

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050208.D
 Acq On : 31 Jul 2018 11:49
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:14:03 AM

Quant Time: Jul 31 18:04:34 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	7.66	168	636439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	898019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	422197	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.59	113	381748	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1434509	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.40	95	503535	56.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	433712	47.428	ug/l	100
3) Chloromethane	2.06	50	407447	40.990	ug/l	99
4) Vinyl Chloride	2.18	62	447567	42.756	ug/l	98
5) Bromomethane	2.56	94	185694	31.576	ug/l	100
6) Chloroethane	2.70	64	264466	42.068	ug/l	100
7) Trichlorofluoromethane	3.01	101	603475	44.502	ug/l	99
8) Diethyl Ether	3.41	74	205915	45.549	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	379868	46.584	ug/l	100
10) Methyl Iodide	3.95	142	197477	18.868	ug/l	99
11) Tert butyl alcohol	4.79	59	137511	210.467	ug/l	100
12) 1,1-Dichloroethene	3.73	96	324598	44.252	ug/l	95
13) Acrolein	3.61	56	49727	94.729	ug/l	94
14) Allyl chloride	4.32	41	532804	46.843	ug/l	99
15) Acrylonitrile	4.99	53	640882	224.829	ug/l	100
16) Acetone	3.82	43	557736	266.947	ug/l	99
17) Carbon Disulfide	4.05	76	922796	41.064	ug/l	100
18) Methyl Acetate	4.32	43	417585	51.374	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	935098	47.836	ug/l	100
20) Methylene Chloride	4.55	84	382890	48.597	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	355959	45.796	ug/l	98
22) Diisopropyl ether	5.95	45	1152487	51.101	ug/l	99
23) Vinyl Acetate	5.90	43	3738464	234.565	ug/l	100
24) 1,1-Dichloroethane	5.85	63	681929	46.240	ug/l	100
25) 2-Butanone	6.84	43	788861	232.909	ug/l	100
26) 2,2-Dichloropropane	6.82	77	575430	51.290	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	400668	47.886	ug/l	98
28) Bromochloromethane	7.19	49	325820	48.437	ug/l	99
29) Tetrahydrofuran	7.21	42	488117	223.022	ug/l	99
30) Chloroform	7.37	83	692047	45.985	ug/l	99
31) Cyclohexane	7.65	56	574033	46.930	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	588821	45.740	ug/l	99
36) 1,1-Dichloropropene	7.79	75	518803	51.279	ug/l	99
37) Ethyl Acetate	6.93	43	327305	46.400	ug/l	100
38) Carbon Tetrachloride	7.77	117	530966	49.459	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	556025	53.422	ug/l	99
40) Benzene	8.04	78	1551537	50.396	ug/l	99
41) Methacrylonitrile	7.18	41	182224	49.621	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	499779	48.659	ug/l	100
43) Isopropyl Acetate	8.17	43	614422	46.134	ug/l	100
44) Trichloroethene	8.83	130	403545	48.780	ug/l	97
45) 1,2-Dichloropropane	9.12	63	414685	50.854	ug/l	100
46) Dibromomethane	9.21	93	250382	49.450	ug/l	98
47) Bromodichloromethane	9.40	83	534869	50.050	ug/l	99
48) Methyl methacrylate	9.20	41	306678	50.482	ug/l	98
49) 1,4-Dioxane	9.20	88	86145	1041.974	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1715501	247.391	ug/l	100
52) Toluene	10.16	92	971208	53.442	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	545254	54.071	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622671	54.029	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	363225	50.390	ug/l	99
56) Ethyl methacrylate	10.43	69	457799	47.010	ug/l	100
57) 1,3-Dichloropropane	10.71	76	607043	51.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1069198	234.904	ug/l	100
59) 2-Hexanone	10.75	43	1213344	238.368	ug/l	100
60) Dibromochloromethane	10.90	129	413432	51.803	ug/l	99
61) 1,2-Dibromoethane	11.01	107	358321	50.101	ug/l	99
64) Tetrachloroethene	10.63	164	383485	47.054	ug/l	99
65) Chlorobenzene	11.43	112	1062308	49.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	403191	49.007	ug/l	99
67) Ethyl Benzene	11.51	91	1839142	53.470	ug/l	100
68) m/p-Xylenes	11.62	106	1436012	110.377	ug/l	100
69) o-Xylene	11.95	106	684042	55.154	ug/l	98
70) Styrene	11.96	104	1129719	51.194	ug/l	99
71) Bromoform	12.13	173	294704	49.242	ug/l #	99
73) Isopropylbenzene	12.25	105	1844622	51.102	ug/l	99
74) N-amyl acetate	12.07	43	516911	46.855	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	470319	48.739	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	389904m	45.077	ug/l	
77) Bromobenzene	12.53	156	473309	47.310	ug/l	100
78) n-propylbenzene	12.59	91	2166778	53.704	ug/l	100
79) 2-Chlorotoluene	12.67	91	1267776	50.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1539493	54.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130313	47.786	ug/l	99
82) 4-Chlorotoluene	12.77	91	1311720	52.968	ug/l	99
83) tert-Butylbenzene	12.99	119	1310059	52.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1575127	55.038	ug/l	99
85) sec-Butylbenzene	13.17	105	1808474	54.624	ug/l	100
86) p-Isopropyltoluene	13.29	119	1579912	56.633	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	858438	50.616	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	834475	50.481	ug/l	99
89) n-Butylbenzene	13.62	91	1303630	56.827	ug/l	100
90) Hexachloroethane	13.88	117	288415	46.560	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	821657	48.465	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69165	42.889	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	415192	46.414	ug/l	97
94) Hexachlorobutadiene	15.01	225	259782	50.054	ug/l	99
95) Naphthalene	15.14	128	858608	41.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	408525	46.798	ug/l	100

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

