

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052688.D
 Acq On : 6 Dec 2018 9:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:12:39 PM

Quant Time: Dec 07 06:50:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	967676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1443679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1292053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	545842	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	496798	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
50) Toluene-d8	10.09	98	1898235	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
62) 4-Bromofluorobenzene	12.40	95	659003	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	412916	45.572	ug/l	96
3) Chloromethane	2.06	50	525390	43.928	ug/l	99
4) Vinyl Chloride	2.19	62	557422	45.370	ug/l	99
5) Bromomethane	2.57	94	340972	44.480	ug/l	100
6) Chloroethane	2.71	64	343006	46.091	ug/l	100
7) Trichlorofluoromethane	3.02	101	740218	49.048	ug/l	99
8) Diethyl Ether	3.41	74	275153	49.371	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484848	51.487	ug/l	99
10) Methyl Iodide	3.95	142	680252	54.236	ug/l	100
11) Tert butyl alcohol	4.77	59	133845	253.748	ug/l	99
12) 1,1-Dichloroethene	3.74	96	438084	48.329	ug/l	99
13) Acrolein	3.60	56	184797	201.578	ug/l	99
14) Allyl chloride	4.33	41	769036	49.225	ug/l	98
15) Acrylonitrile	4.98	53	832670	249.379	ug/l	99
16) Acetone	3.81	43	834002	300.105	ug/l	98
17) Carbon Disulfide	4.06	76	1237654	43.387	ug/l	99
18) Methyl Acetate	4.32	43	423492	53.125	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1221351	50.642	ug/l	99
20) Methylene Chloride	4.55	84	516464	47.490	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	477731	49.346	ug/l	98
22) Diisopropyl ether	5.95	45	1654096	50.405	ug/l	98
23) Vinyl Acetate	5.89	43	5105150	249.766	ug/l	99
24) 1,1-Dichloroethane	5.85	63	943999	50.382	ug/l	100
25) 2-Butanone	6.83	43	1057331	268.427	ug/l	97
26) 2,2-Dichloropropane	6.82	77	699299	53.921	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	565484	50.143	ug/l	99
28) Bromochloromethane	7.19	49	425221	49.687	ug/l	97
29) Tetrahydrofuran	7.21	42	615882	242.413	ug/l	99
30) Chloroform	7.37	83	928712	49.680	ug/l	99
31) Cyclohexane	7.65	56	851945	46.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	762318	51.469	ug/l	99
36) 1,1-Dichloropropene	7.79	75	706452	51.819	ug/l	99
37) Ethyl Acetate	6.93	43	422108	50.733	ug/l	99
38) Carbon Tetrachloride	7.77	117	671799	54.434	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	862101	52.026	ug/l	99
40) Benzene	8.04	78	2129270	52.407	ug/l	99
41) Methacrylonitrile	7.17	41	239858	52.731	ug/l	96
42) 1,2-Dichloroethane	8.12	62	651279	52.941	ug/l	99
43) Isopropyl Acetate	8.16	43	738918	52.479	ug/l	99
44) Trichloroethene	8.83	130	553151	53.151	ug/l	98
45) 1,2-Dichloropropane	9.12	63	568884	52.666	ug/l	99
46) Dibromomethane	9.21	93	325099	54.367	ug/l	99
47) Bromodichloromethane	9.40	83	715806	55.058	ug/l	100
48) Methyl methacrylate	9.20	41	379725	51.721	ug/l	98
49) 1,4-Dioxane	9.20	88	84325	1106.691	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2113113	267.483	ug/l	99
52) Toluene	10.16	92	1308694	54.214	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	706451	56.484	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	830655	55.421	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	468472	55.172	ug/l	100
56) Ethyl methacrylate	10.43	69	589780	50.019	ug/l	98
57) 1,3-Dichloropropane	10.71	76	798416	53.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1736410	281.820	ug/l	99
59) 2-Hexanone	10.75	43	1544375	291.276	ug/l	99
60) Dibromochloromethane	10.90	129	526310	57.069	ug/l	99
61) 1,2-Dibromoethane	11.01	107	453802	53.809	ug/l	100
64) Tetrachloroethene	10.63	164	560991	56.000	ug/l	99
65) Chlorobenzene	11.43	112	1442348	54.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	512502	55.325	ug/l	99
67) Ethyl Benzene	11.51	91	2537689	54.393	ug/l	99
68) m/p-Xylenes	11.62	106	1918826	110.478	ug/l	99
69) o-Xylene	11.95	106	924281	54.801	ug/l	100
70) Styrene	11.96	104	1536523	57.197	ug/l	99
71) Bromoform	12.13	173	351745	57.347	ug/l #	99
73) Isopropylbenzene	12.25	105	2513963	52.000	ug/l	99
74) N-amyl acetate	12.07	43	636065	52.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	545020	49.558	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	469416m	49.400	ug/l	
77) Bromobenzene	12.53	156	621145	51.980	ug/l	98
78) n-propylbenzene	12.59	91	2941936	53.565	ug/l	100
79) 2-Chlorotoluene	12.67	91	1676093	51.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2048047	53.117	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156361	54.952	ug/l	100
82) 4-Chlorotoluene	12.77	91	1729351	52.463	ug/l	99
83) tert-Butylbenzene	12.99	119	1814559	52.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2077526	53.765	ug/l	100
85) sec-Butylbenzene	13.17	105	2510224	53.616	ug/l	99
86) p-Isopropyltoluene	13.29	119	2166546	54.331	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1119299	53.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1104483	53.644	ug/l	100
89) n-Butylbenzene	13.62	91	1889293	56.969	ug/l	100
90) Hexachloroethane	13.88	117	367860	54.481	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1067833	53.471	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81487	51.807	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	581928	53.013	ug/l	100
94) Hexachlorobutadiene	15.01	225	350026	54.483	ug/l	99
95) Naphthalene	15.13	128	1137358	49.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	536157	53.124	ug/l	99

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

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