

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051935.D
 Acq On : 19 Oct 2018 8:07
 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
 10/22/2018 11:35:15 AM

Quant Time: Oct 19 23:25:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1068694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1550563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1433135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	722712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	449926	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	7.59	113	458395	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.09	98	1681700	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.40	95	573012	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	281295	43.501	ug/l	98
3) Chloromethane	2.06	50	274694	43.477	ug/l	97
4) Vinyl Chloride	2.19	62	424367	44.470	ug/l	100
5) Bromomethane	2.56	94	386171	49.071	ug/l	95
6) Chloroethane	2.70	64	326445	47.137	ug/l	99
7) Trichlorofluoromethane	3.01	101	723150	49.176	ug/l	98
8) Diethyl Ether	3.41	74	212701	49.372	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	430495	51.021	ug/l	100
10) Methyl Iodide	3.95	142	522834	47.257	ug/l	100
11) Tert butyl alcohol	4.78	59	129009	222.844	ug/l	99
12) 1,1-Dichloroethene	3.73	96	374095	48.639	ug/l	97
13) Acrolein	3.61	56	73605	175.503	ug/l	98
14) Allyl chloride	4.32	41	423917	50.890	ug/l	98
15) Acrylonitrile	4.99	53	522727	247.291	ug/l	99
16) Acetone	3.82	43	486635	277.390	ug/l	98
17) Carbon Disulfide	4.05	76	879903	45.886	ug/l	100
18) Methyl Acetate	4.32	43	258427	49.547	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1078597	48.662	ug/l	98
20) Methylene Chloride	4.55	84	415095	46.545	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	423279	47.887	ug/l	97
22) Diisopropyl ether	5.95	45	963690	49.639	ug/l	96
23) Vinyl Acetate	5.90	43	3355620	251.060	ug/l	100
24) 1,1-Dichloroethane	5.85	63	689283	49.027	ug/l	99
25) 2-Butanone	6.83	43	656260	261.744	ug/l	98
26) 2,2-Dichloropropane	6.82	77	689130	51.827	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	502450	48.914	ug/l	98
28) Bromochloromethane	7.19	49	274878	48.148	ug/l	98
29) Tetrahydrofuran	7.21	42	372623	243.322	ug/l	99
30) Chloroform	7.37	83	841825	50.051	ug/l	97
31) Cyclohexane	7.65	56	577105	50.877	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	793205	50.563	ug/l	99
36) 1,1-Dichloropropene	7.79	75	594850	49.428	ug/l	99
37) Ethyl Acetate	6.93	43	281682	50.827	ug/l	98
38) Carbon Tetrachloride	7.77	117	712224	50.254	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	761215	51.080	ug/l	99
40) Benzene	8.04	78	1754326	49.900	ug/l	100
41) Methacrylonitrile	7.17	41	109196	39.947	ug/l	96
42) 1,2-Dichloroethane	8.12	62	573070	50.880	ug/l	99
43) Isopropyl Acetate	8.16	43	544566	49.846	ug/l	99
44) Trichloroethene	8.83	130	559304	50.695	ug/l	99
45) 1,2-Dichloropropane	9.12	63	414207	50.951	ug/l	100
46) Dibromomethane	9.21	93	313735	50.630	ug/l	99
47) Bromodichloromethane	9.40	83	647838	52.162	ug/l	100
48) Methyl methacrylate	9.20	41	243993	50.223	ug/l	100
49) 1,4-Dioxane	9.20	88	87739	950.843	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1416694	252.875	ug/l	100
52) Toluene	10.16	92	1211049	51.494	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	613665	52.142	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	687622	52.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	444559	51.589	ug/l	98
56) Ethyl methacrylate	10.43	69	493640	51.239	ug/l	99
57) 1,3-Dichloropropane	10.71	76	671355	51.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1067929	240.904	ug/l	99
59) 2-Hexanone	10.75	43	988293	263.086	ug/l	99
60) Dibromochloromethane	10.90	129	538764	46.782	ug/l	98
61) 1,2-Dibromoethane	11.00	107	458515	50.728	ug/l	98
64) Tetrachloroethene	10.63	164	573035	49.814	ug/l	97
65) Chlorobenzene	11.43	112	1407761	49.132	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	543236	50.935	ug/l	98
67) Ethyl Benzene	11.51	91	2381679	50.739	ug/l	99
68) m/p-Xylenes	11.62	106	1916696	101.696	ug/l	99
69) o-Xylene	11.95	106	938751	51.110	ug/l	99
70) Styrene	11.96	104	1489187	52.708	ug/l	99
71) Bromoform	12.13	173	359930	45.190	ug/l #	100
73) Isopropylbenzene	12.25	105	2556339	45.692	ug/l	100
74) N-amyl acetate	12.07	43	448718	46.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	506465	44.793	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	420136m	47.829	ug/l	
77) Bromobenzene	12.53	156	650179	45.670	ug/l	100
78) n-propylbenzene	12.59	91	2791314	47.928	ug/l	99
79) 2-Chlorotoluene	12.67	91	1603142	52.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2134739	47.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121821	45.701	ug/l	94
82) 4-Chlorotoluene	12.77	91	1607515	47.233	ug/l	99
83) tert-Butylbenzene	12.99	119	1945245	45.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2166299	48.721	ug/l	98
85) sec-Butylbenzene	13.17	105	2614190	48.389	ug/l	100
86) p-Isopropyltoluene	13.29	119	2360706	50.417	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1178359	49.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1151287	48.820	ug/l	98
89) n-Butylbenzene	13.61	91	1830990	53.906	ug/l	100
90) Hexachloroethane	13.87	117	385542	49.229	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1145682	49.304	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73839	48.747	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	516954	44.606	ug/l	100
94) Hexachlorobutadiene	15.01	225	364602	49.550	ug/l	98
95) Naphthalene	15.13	128	965517	41.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	503450	44.999	ug/l	99

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

