

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055092.D
 Acq On : 17 Apr 2019 8:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:21:18 PM

Quant Time: Apr 18 08:21:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	433921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	264404	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	7.59	113	220681	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.09	98	822185	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	278702	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	224369	45.499	ug/l	100
3) Chloromethane	2.06	50	284777	44.276	ug/l	98
4) Vinyl Chloride	2.19	62	236576	43.761	ug/l	99
5) Bromomethane	2.56	94	133689	43.712	ug/l	97
6) Chloroethane	2.71	64	130919	44.906	ug/l	98
7) Trichlorofluoromethane	3.02	101	306637	45.353	ug/l	99
8) Diethyl Ether	3.41	74	93366	43.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	164972	46.625	ug/l	98
10) Methyl Iodide	3.94	142	236493	43.071	ug/l	99
11) Tert butyl alcohol	4.81	59	65088	205.872	ug/l	100
12) 1,1-Dichloroethene	3.73	96	149133	43.302	ug/l	100
13) Acrolein	3.60	56	85772	219.484	ug/l	97
14) Allyl chloride	4.31	41	385772	45.760	ug/l	99
15) Acrylonitrile	4.99	53	402020	212.532	ug/l	99
16) Acetone	3.82	43	405497	259.019	ug/l	99
17) Carbon Disulfide	4.04	76	486630	43.771	ug/l	99
18) Methyl Acetate	4.33	43	190486	42.149	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	541897	43.985	ug/l	100
20) Methylene Chloride	4.54	84	236941	43.054	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	204245	43.848	ug/l	91
22) Diisopropyl ether	5.96	45	809419	46.706	ug/l	99
23) Vinyl Acetate	5.90	43	2698459	235.570	ug/l	99
24) 1,1-Dichloroethane	5.84	63	423266	45.864	ug/l	99
25) 2-Butanone	6.84	43	551418	236.002	ug/l	99
26) 2,2-Dichloropropane	6.82	77	289923	49.774	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	242935	46.099	ug/l	99
28) Bromochloromethane	7.19	49	201949	45.395	ug/l	100
29) Tetrahydrofuran	7.22	42	312495	203.951	ug/l	99
30) Chloroform	7.37	83	411271	45.879	ug/l	100
31) Cyclohexane	7.65	56	383855	46.970	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	328364	46.234	ug/l	99
36) 1,1-Dichloropropene	7.79	75	305990	49.239	ug/l	99
37) Ethyl Acetate	6.94	43	214206	42.340	ug/l	99
38) Carbon Tetrachloride	7.77	117	279770	47.319	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	336630	49.989	ug/l	99
40) Benzene	8.04	78	917310	48.977	ug/l	100
41) Methacrylonitrile	7.17	41	122257	43.533	ug/l	98
42) 1,2-Dichloroethane	8.12	62	307770	47.329	ug/l	99
43) Isopropyl Acetate	8.17	43	363661	46.649	ug/l	99
44) Trichloroethene	8.83	130	232206	49.498	ug/l	100
45) 1,2-Dichloropropane	9.12	63	257132	49.227	ug/l	100
46) Dibromomethane	9.21	93	141251	47.510	ug/l	98
47) Bromodichloromethane	9.40	83	308115	50.266	ug/l	99
48) Methyl methacrylate	9.20	41	180253	46.650	ug/l	98
49) 1,4-Dioxane	9.20	88	39706	1096.834	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1034838	229.775	ug/l	99
52) Toluene	10.15	92	547688	51.056	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	284833	53.172	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	355956	53.539	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192992	46.696	ug/l	97
56) Ethyl methacrylate	10.43	69	249712	50.345	ug/l	98
57) 1,3-Dichloropropane	10.71	76	344837	49.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	466749	215.783	ug/l	99
59) 2-Hexanone	10.75	43	694975	245.682	ug/l	99
60) Dibromochloromethane	10.90	129	212833	52.737	ug/l	99
61) 1,2-Dibromoethane	11.00	107	188641	49.590	ug/l	97
64) Tetrachloroethene	10.63	164	224306	47.006	ug/l	99
65) Chlorobenzene	11.43	112	570628	48.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	215068	49.503	ug/l	99
67) Ethyl Benzene	11.51	91	1040336	49.317	ug/l	99
68) m/p-Xylenes	11.62	106	773999	101.326	ug/l	99
69) o-Xylene	11.95	106	375652	50.774	ug/l	100
70) Styrene	11.96	104	638101	53.282	ug/l	100
71) Bromoform	12.13	173	130745	52.504	ug/l	98
73) Isopropylbenzene	12.25	105	1002501	44.975	ug/l	99
74) N-amyl acetate	12.07	43	285979	45.576	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	235884	39.548	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	191741m	42.448	ug/l	
77) Bromobenzene	12.53	156	244694	44.033	ug/l	98
78) n-propylbenzene	12.59	91	1147025	47.628	ug/l	100
79) 2-Chlorotoluene	12.67	91	687106	45.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	836174	46.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52803	46.745	ug/l	96
82) 4-Chlorotoluene	12.77	91	676409	48.264	ug/l	99
83) tert-Butylbenzene	12.99	119	702865	46.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	821744	48.204	ug/l	99
85) sec-Butylbenzene	13.17	105	917164	47.380	ug/l	99
86) p-Isopropyltoluene	13.29	119	813212	48.967	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	414664	49.092	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	402423	49.961	ug/l	99
89) n-Butylbenzene	13.61	91	679309	55.100	ug/l	100
90) Hexachloroethane	13.87	117	131310	48.593	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	405033	47.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31238	42.531	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	188007	48.867	ug/l	99
94) Hexachlorobutadiene	15.01	225	135298	51.544	ug/l	98
95) Naphthalene	15.13	128	369059	41.508	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	182934	55.798	ug/l	100

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

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