

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055089.D
 Acq On : 16 Apr 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:12 AM

Quant Time: Apr 17 03:31:17 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	399868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	666312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	259748	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.59	113	212706	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.09	98	788757	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	266559	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	217406	47.841	ug/l	99
3) Chloromethane	2.06	50	284737	48.040	ug/l	98
4) Vinyl Chloride	2.19	62	235143	47.200	ug/l	100
5) Bromomethane	2.55	94	130729	46.385	ug/l	95
6) Chloroethane	2.70	64	132316	49.250	ug/l	98
7) Trichlorofluoromethane	3.02	101	300504	48.231	ug/l	100
8) Diethyl Ether	3.41	74	95840	48.189	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154419	47.359	ug/l	99
10) Methyl Iodide	3.94	142	295071	58.316	ug/l	94
11) Tert butyl alcohol	4.82	59	75074	257.679	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	147552	46.491	ug/l	98
13) Acrolein	3.61	56	96147	266.985	ug/l	98
14) Allyl chloride	4.32	41	377870	48.640	ug/l	100
15) Acrylonitrile	4.99	53	434076	249.021	ug/l	99
16) Acetone	3.82	43	293483	203.433	ug/l	99
17) Carbon Disulfide	4.04	76	465407	45.427	ug/l	100
18) Methyl Acetate	4.33	43	210153	50.548	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	573768	50.538	ug/l	100
20) Methylene Chloride	4.54	84	236173	46.570	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	207978	48.451	ug/l	92
22) Diisopropyl ether	5.96	45	820786	51.395	ug/l	98
23) Vinyl Acetate	5.90	43	2853976	270.363	ug/l	99
24) 1,1-Dichloroethane	5.85	63	426344	50.132	ug/l	98
25) 2-Butanone	6.85	43	527831	245.145	ug/l	99
26) 2,2-Dichloropropane	6.82	77	271118	50.509	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	244569	50.361	ug/l	100
28) Bromochloromethane	7.19	49	199664	48.704	ug/l	100
29) Tetrahydrofuran	7.22	42	352351	249.547	ug/l	99
30) Chloroform	7.37	83	408029	49.393	ug/l	96
31) Cyclohexane	7.65	56	386098	51.385	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	336285	51.382	ug/l	99
36) 1,1-Dichloropropene	7.79	75	296792	47.251	ug/l	99
37) Ethyl Acetate	6.93	43	228293	44.644	ug/l	99
38) Carbon Tetrachloride	7.77	117	280544	46.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	323180	47.481	ug/l	100
40) Benzene	8.04	78	917806	48.482	ug/l	100
41) Methacrylonitrile	7.18	41	130346	45.919	ug/l	99
42) 1,2-Dichloroethane	8.12	62	315530	48.006	ug/l	100
43) Isopropyl Acetate	8.17	43	395722	50.222	ug/l	99
44) Trichloroethene	8.83	130	232644	49.063	ug/l	99
45) 1,2-Dichloropropane	9.12	63	262690	49.756	ug/l	100
46) Dibromomethane	9.21	93	145655	48.470	ug/l	98
47) Bromodichloromethane	9.40	83	306796	49.518	ug/l	99
48) Methyl methacrylate	9.20	41	197875	50.666	ug/l	99
49) 1,4-Dioxane	9.20	88	40926	1118.506	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1130899	248.432	ug/l	99
52) Toluene	10.16	92	540574	49.857	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	292161	53.960	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	355230	52.861	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	202564	48.491	ug/l	99
56) Ethyl methacrylate	10.43	69	274395	54.733	ug/l	99
57) 1,3-Dichloropropane	10.71	76	361026	50.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	501932	228.893	ug/l	97
59) 2-Hexanone	10.75	43	696281	243.525	ug/l	99
60) Dibromochloromethane	10.90	129	212671	52.136	ug/l	100
61) 1,2-Dibromoethane	11.00	107	196210	51.031	ug/l	98
64) Tetrachloroethene	10.63	164	217679	45.738	ug/l	98
65) Chlorobenzene	11.43	112	570448	48.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	212610	49.068	ug/l	100
67) Ethyl Benzene	11.51	91	1032259	49.065	ug/l	99
68) m/p-Xylenes	11.62	106	759239	99.658	ug/l	99
69) o-Xylene	11.95	106	374178	50.709	ug/l	100
70) Styrene	11.96	104	627563	52.541	ug/l	99
71) Bromoform	12.13	173	131101	52.787	ug/l #	98
73) Isopropylbenzene	12.25	105	983288	44.374	ug/l	100
74) N-amyl acetate	12.07	43	313839	50.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	252401	42.568	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	201369m	44.843	ug/l	
77) Bromobenzene	12.53	156	245401	44.422	ug/l	99
78) n-propylbenzene	12.59	91	1084225	45.287	ug/l	99
79) 2-Chlorotoluene	12.67	91	672640	45.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	809329	45.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56239	50.082	ug/l	91
82) 4-Chlorotoluene	12.77	91	647002	46.440	ug/l	98
83) tert-Butylbenzene	12.99	119	690798	45.742	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	790989	46.675	ug/l	100
85) sec-Butylbenzene	13.17	105	877865	45.619	ug/l	99
86) p-Isopropyltoluene	13.29	119	773451	46.849	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399209	47.543	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	389377	48.628	ug/l	99
89) n-Butylbenzene	13.61	91	630092	51.411	ug/l	99
90) Hexachloroethane	13.87	117	124027	46.170	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	394420	46.686	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34418	47.139	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181039	47.418	ug/l	99
94) Hexachlorobutadiene	15.01	225	124584	47.744	ug/l	99
95) Naphthalene	15.13	128	394301	44.379	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	182050	55.857	ug/l	99

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

