

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055047.D
 Acq On : 15 Apr 2019 16:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:47 AM

Quant Time: Apr 16 06:09:11 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	428952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	260658	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
35) Dibromofluoromethane	7.59	113	211913	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.09	98	784849	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	267995	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	229527	47.084	ug/l	100
3) Chloromethane	2.06	50	285590	44.917	ug/l	97
4) Vinyl Chloride	2.19	62	241158	45.125	ug/l	99
5) Bromomethane	2.56	94	132635	43.870	ug/l	98
6) Chloroethane	2.70	64	130176	45.168	ug/l	99
7) Trichlorofluoromethane	3.02	101	308994	46.231	ug/l	96
8) Diethyl Ether	3.41	74	97122	45.523	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	164362	46.991	ug/l	99
10) Methyl Iodide	3.94	142	249644	45.993	ug/l	98
11) Tert butyl alcohol	4.82	59	72957	233.434	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	153225	45.005	ug/l	96
13) Acrolein	3.61	56	77160	199.734	ug/l	99
14) Allyl chloride	4.31	41	389866	46.781	ug/l	100
15) Acrylonitrile	4.99	53	435294	232.788	ug/l	99
16) Acetone	3.82	43	375134	242.400	ug/l	100
17) Carbon Disulfide	4.04	76	491551	44.726	ug/l	100
18) Methyl Acetate	4.33	43	206575	46.281	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	572917	47.041	ug/l	98
20) Methylene Chloride	4.54	84	233500	42.921	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	209430	45.482	ug/l	92
22) Diisopropyl ether	5.96	45	815296	47.590	ug/l	99
23) Vinyl Acetate	5.90	43	2852637	251.914	ug/l	100
24) 1,1-Dichloroethane	5.85	63	426637	46.765	ug/l	98
25) 2-Butanone	6.85	43	575243	249.050	ug/l	99
26) 2,2-Dichloropropane	6.82	77	288793	50.154	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	240926	46.247	ug/l	99
28) Bromochloromethane	7.19	49	200831	45.667	ug/l	99
29) Tetrahydrofuran	7.22	42	354248	233.880	ug/l	100
30) Chloroform	7.37	83	404064	45.597	ug/l	99
31) Cyclohexane	7.65	56	399689	49.543	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	327421	46.635	ug/l	99
36) 1,1-Dichloropropene	7.79	75	308019	49.509	ug/l	100
37) Ethyl Acetate	6.94	43	239063	47.199	ug/l	98
38) Carbon Tetrachloride	7.77	117	273346	46.180	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	342001	50.729	ug/l	99
40) Benzene	8.04	78	921506	49.145	ug/l	98
41) Methacrylonitrile	7.17	41	139012	49.443	ug/l	96
42) 1,2-Dichloroethane	8.12	62	315466	48.458	ug/l	99
43) Isopropyl Acetate	8.17	43	393944	50.477	ug/l	99
44) Trichloroethene	8.83	130	234138	49.853	ug/l	99
45) 1,2-Dichloropropane	9.12	63	255410	48.842	ug/l	98
46) Dibromomethane	9.21	93	143876	48.338	ug/l	97
47) Bromodichloromethane	9.40	83	303535	49.463	ug/l	99
48) Methyl methacrylate	9.20	41	196838	50.885	ug/l	99
49) 1,4-Dioxane	9.20	88	41603	1147.936	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1146070	254.184	ug/l	100
52) Toluene	10.16	92	549593	51.176	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	283064	52.782	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	352647	52.981	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	203155	49.100	ug/l	99
56) Ethyl methacrylate	10.43	69	260709	52.503	ug/l	99
57) 1,3-Dichloropropane	10.71	76	357512	50.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	496563	228.634	ug/l	99
59) 2-Hexanone	10.75	43	740920	261.628	ug/l	99
60) Dibromochloromethane	10.90	129	207556	51.371	ug/l	98
61) 1,2-Dibromoethane	11.00	107	193541	50.821	ug/l	99
64) Tetrachloroethene	10.63	164	224768	47.774	ug/l	97
65) Chlorobenzene	11.43	112	567213	48.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208037	48.567	ug/l	100
67) Ethyl Benzene	11.51	91	1044877	50.239	ug/l	98
68) m/p-Xylenes	11.62	106	777822	103.278	ug/l	100
69) o-Xylene	11.95	106	375890	51.530	ug/l	99
70) Styrene	11.96	104	632669	53.581	ug/l	100
71) Bromoform	12.13	173	130051	52.970	ug/l #	100
73) Isopropylbenzene	12.25	105	1003560	44.059	ug/l	99
74) N-amyl acetate	12.07	43	312228	48.695	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	253354	41.568	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	218895m	47.422	ug/l	
77) Bromobenzene	12.53	156	244193	43.002	ug/l	99
78) n-propylbenzene	12.59	91	1137734	46.231	ug/l	100
79) 2-Chlorotoluene	12.67	91	683358	44.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	829465	45.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55339	47.941	ug/l	97
82) 4-Chlorotoluene	12.77	91	675436	47.163	ug/l	99
83) tert-Butylbenzene	12.99	119	690776	44.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	826286	47.433	ug/l	100
85) sec-Butylbenzene	13.17	105	907532	45.879	ug/l	99
86) p-Isopropyltoluene	13.29	119	805649	47.473	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416248	48.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401174	48.740	ug/l	99
89) n-Butylbenzene	13.61	91	666814	52.929	ug/l	99
90) Hexachloroethane	13.87	117	122686	44.430	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410264	47.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35189	46.885	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	185667	47.315	ug/l	98
94) Hexachlorobutadiene	15.01	225	130746	48.744	ug/l	99
95) Naphthalene	15.13	128	397597	43.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185335	55.320	ug/l	99

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

