

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055905.D
 Acq On : 30 May 2019 17:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:50 AM

Quant Time: May 31 05:01:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	292611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	438421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	159832	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	141137	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.09	98	538342	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	180789	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	88296	44.836	ug/l	96
3) Chloromethane	2.06	50	125970	45.655	ug/l	98
4) Vinyl Chloride	2.18	62	139372	47.358	ug/l	100
5) Bromomethane	2.52	94	79149	42.989	ug/l	100
6) Chloroethane	2.67	64	89371m	50.440	ug/l	
7) Trichlorofluoromethane	3.00	101	189652	49.154	ug/l	99
8) Diethyl Ether	3.40	74	87291	50.478	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	119602	49.659	ug/l	98
10) Methyl Iodide	3.93	142	181658	51.590	ug/l	100
11) Tert butyl alcohol	4.82	59	143804	249.065	ug/l	99
12) 1,1-Dichloroethene	3.72	96	121414	48.789	ug/l	96
13) Acrolein	3.60	56	105791	255.889	ug/l	97
14) Allyl chloride	4.31	41	209781	49.173	ug/l	100
15) Acrylonitrile	4.99	53	360128	271.630	ug/l	100
16) Acetone	3.82	43	342509	257.847	ug/l	98
17) Carbon Disulfide	4.03	76	278670	39.414	ug/l	99
18) Methyl Acetate	4.32	43	157793	58.650	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	430742	51.898	ug/l	98
20) Methylene Chloride	4.54	84	145818	50.688	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	131073	49.026	ug/l	98
22) Diisopropyl ether	5.95	45	440315	53.066	ug/l	100
23) Vinyl Acetate	5.90	43	1855535	260.822	ug/l	100
24) 1,1-Dichloroethane	5.84	63	246574	51.039	ug/l	99
25) 2-Butanone	6.84	43	504091	271.727	ug/l	99
26) 2,2-Dichloropropane	6.82	77	195844	46.841	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	161607	51.811	ug/l	100
28) Bromochloromethane	7.19	49	121427	52.791	ug/l	100
29) Tetrahydrofuran	7.21	42	318338	270.971	ug/l	100
30) Chloroform	7.37	83	251299	52.159	ug/l	98
31) Cyclohexane	7.65	56	219271	48.343	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	210399	48.937	ug/l	99
36) 1,1-Dichloropropene	7.79	75	184131	48.194	ug/l	99
37) Ethyl Acetate	6.93	43	198147	53.660	ug/l	99
38) Carbon Tetrachloride	7.77	117	176995	44.474	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222039	46.931	ug/l	99
40) Benzene	8.04	78	576924	50.103	ug/l	99
41) Methacrylonitrile	7.17	41	93931	50.350	ug/l	97
42) 1,2-Dichloroethane	8.12	62	189768	50.435	ug/l	100
43) Isopropyl Acetate	8.17	43	311283	50.172	ug/l #	91
44) Trichloroethene	8.83	130	160749	50.076	ug/l	100
45) 1,2-Dichloropropane	9.12	63	153234	51.077	ug/l	100
46) Dibromomethane	9.21	93	100794	51.230	ug/l	98
47) Bromodichloromethane	9.40	83	193951	48.075	ug/l	99
48) Methyl methacrylate	9.20	41	154225	53.936	ug/l	98
49) 1,4-Dioxane	9.21	88	64698	1088.805	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	960765	262.198	ug/l	100
52) Toluene	10.16	92	365058	50.409	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	209337	48.611	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236431	49.559	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	149380	51.489	ug/l	98
56) Ethyl methacrylate	10.43	69	228348	50.928	ug/l	98
57) 1,3-Dichloropropane	10.71	76	245121	51.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	427486	249.482	ug/l	99
59) 2-Hexanone	10.75	43	663340	255.183	ug/l	100
60) Dibromochloromethane	10.90	129	159672	47.244	ug/l	100
61) 1,2-Dibromoethane	11.00	107	154926	51.483	ug/l	99
64) Tetrachloroethene	10.63	164	155356	46.973	ug/l	99
65) Chlorobenzene	11.43	112	388958	49.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147956	47.257	ug/l	99
67) Ethyl Benzene	11.51	91	690187	49.028	ug/l	99
68) m/p-Xylenes	11.62	106	521567	98.003	ug/l	100
69) o-Xylene	11.95	106	259109	49.073	ug/l	100
70) Styrene	11.96	104	431017	50.408	ug/l	100
71) Bromoform	12.13	173	113203	42.390	ug/l #	99
73) Isopropylbenzene	12.25	105	679967	55.795	ug/l	100
74) N-amyl acetate	12.07	43	250806	53.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	208703	58.034	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	169729m	57.702	ug/l	
77) Bromobenzene	12.53	156	176902	48.121	ug/l	98
78) n-propylbenzene	12.59	91	732751	48.937	ug/l	100
79) 2-Chlorotoluene	12.67	91	443152	55.212	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	561220	54.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57808	45.148	ug/l	94
82) 4-Chlorotoluene	12.77	91	429869	48.840	ug/l	99
83) tert-Butylbenzene	12.99	119	493823	55.730	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	557564	54.345	ug/l	100
85) sec-Butylbenzene	13.17	105	642345	55.655	ug/l	99
86) p-Isopropyltoluene	13.29	119	581066	48.568	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	289492	49.732	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	279371	50.480	ug/l	99
89) n-Butylbenzene	13.61	91	449773	49.065	ug/l	99
90) Hexachloroethane	13.87	117	96115	42.207	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	294980	50.792	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36865	48.294	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	154320	46.462	ug/l	99
94) Hexachlorobutadiene	15.01	225	100488	49.134	ug/l	98
95) Naphthalene	15.13	128	434491	54.520	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	164768	53.671	ug/l	100

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

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