

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011719\
 Data File : VN053457.D
 Acq On : 18 Jan 2019 1:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 1:18:39 PM

Quant Time: Jan 18 02:42:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	788176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1213418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1113556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	551955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	413680	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	360287	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.09	98	1496476	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.40	95	522355	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	309630	48.861	ug/l	99
3) Chloromethane	2.06	50	439273	48.483	ug/l	99
4) Vinyl Chloride	2.19	62	432137	49.480	ug/l	99
5) Bromomethane	2.57	94	285810	47.694	ug/l	98
6) Chloroethane	2.71	64	258729	48.999	ug/l	97
7) Trichlorofluoromethane	3.02	101	584559	51.171	ug/l	100
8) Diethyl Ether	3.41	74	235716	54.939	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	363610	50.259	ug/l	100
10) Methyl Iodide	3.96	142	563915	51.006	ug/l	100
11) Tert butyl alcohol	4.78	59	134051	351.658	ug/l	99
12) 1,1-Dichloroethene	3.74	96	355713	50.691	ug/l	97
13) Acrolein	3.61	56	173904	235.267	ug/l	99
14) Allyl chloride	4.33	41	584039	51.239	ug/l	99
15) Acrylonitrile	4.99	53	731146	291.444	ug/l	100
16) Acetone	3.81	43	477743	261.382	ug/l	98
17) Carbon Disulfide	4.06	76	1037575	48.895	ug/l	100
18) Methyl Acetate	4.33	43	349900	56.820	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1045604	56.079	ug/l	100
20) Methylene Chloride	4.56	84	419761	50.303	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	386704	51.545	ug/l	99
22) Diisopropyl ether	5.95	45	1274964	53.581	ug/l	99
23) Vinyl Acetate	5.90	43	4110851	281.044	ug/l	99
24) 1,1-Dichloroethane	5.85	63	732656	52.084	ug/l	100
25) 2-Butanone	6.83	43	811003	287.937	ug/l	99
26) 2,2-Dichloropropane	6.83	77	445774	41.972	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	453704	52.886	ug/l	97
28) Bromochloromethane	7.20	49	325670	52.553	ug/l	99
29) Tetrahydrofuran	7.21	42	547401	298.537	ug/l	98
30) Chloroform	7.37	83	724661	52.874	ug/l	100
31) Cyclohexane	7.66	56	662632	48.398	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	611939	52.635	ug/l	99
36) 1,1-Dichloropropene	7.80	75	554731	50.198	ug/l	99
37) Ethyl Acetate	6.93	43	367291	57.770	ug/l	99
38) Carbon Tetrachloride	7.78	117	527183	50.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	655709	48.007	ug/l	100
40) Benzene	8.04	78	1699493	50.608	ug/l	100
41) Methacrylonitrile	7.17	41	188837	49.985	ug/l	91
42) 1,2-Dichloroethane	8.13	62	509958	52.126	ug/l	100
43) Isopropyl Acetate	8.17	43	659423	57.682	ug/l	99
44) Trichloroethene	8.84	130	474598	50.963	ug/l	99
45) 1,2-Dichloropropane	9.12	63	451511	50.762	ug/l	100
46) Dibromomethane	9.21	93	267099	52.267	ug/l	99
47) Bromodichloromethane	9.40	83	552925	51.450	ug/l	99
48) Methyl methacrylate	9.20	41	331137	56.099	ug/l	99
49) 1,4-Dioxane	9.20	88	77104	1337.522	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1865771	298.967	ug/l	100
52) Toluene	10.16	92	1054335	50.573	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	564996	51.868	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	644930	50.506	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	389355	54.170	ug/l	99
56) Ethyl methacrylate	10.43	69	527536	51.646	ug/l	100
57) 1,3-Dichloropropane	10.71	76	667061	53.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1358389	270.145	ug/l	99
59) 2-Hexanone	10.75	43	1284472	293.197	ug/l	100
60) Dibromochloromethane	10.90	129	435798	53.457	ug/l	100
61) 1,2-Dibromoethane	11.01	107	388990	53.512	ug/l	100
64) Tetrachloroethene	10.63	164	529905	50.496	ug/l	99
65) Chlorobenzene	11.43	112	1182653	50.176	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	425016	51.833	ug/l	99
67) Ethyl Benzene	11.51	91	2033727	50.629	ug/l	100
68) m/p-Xylenes	11.62	106	1555077	102.536	ug/l	100
69) o-Xylene	11.95	106	758007	51.436	ug/l	99
70) Styrene	11.96	104	1266265	52.943	ug/l	100
71) Bromoform	12.13	173	310801	55.057	ug/l #	99
73) Isopropylbenzene	12.25	105	2022472	50.036	ug/l	99
74) N-amyl acetate	12.07	43	608537	56.476	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	454769	53.646	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	404300m	55.584	ug/l	
77) Bromobenzene	12.53	156	535788	50.305	ug/l	100
78) n-propylbenzene	12.59	91	2317127	49.941	ug/l	99
79) 2-Chlorotoluene	12.68	91	1353321	49.209	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1653904	50.291	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132944	46.445	ug/l	99
82) 4-Chlorotoluene	12.77	91	1401192	49.961	ug/l	100
83) tert-Butylbenzene	12.99	119	1458783	50.223	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1699247	51.244	ug/l	99
85) sec-Butylbenzene	13.17	105	2003897	50.304	ug/l	100
86) p-Isopropyltoluene	13.29	119	1751106	50.627	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	948242	50.613	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	944224	50.243	ug/l	100
89) n-Butylbenzene	13.62	91	1476100	50.065	ug/l	100
90) Hexachloroethane	13.88	117	277655	51.184	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	917159	53.211	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66142	61.534	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	407933	53.438	ug/l	99
94) Hexachlorobutadiene	15.01	225	286999	53.377	ug/l	99
95) Naphthalene	15.13	128	737695	54.870	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	307361	54.824	ug/l	100

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

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