

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053856.D
 Acq On : 19 Feb 2019 9:02
 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
 2/20/2019 10:14:47 AM

Quant Time: Feb 20 03:25:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	634697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	915932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	302246	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	7.59	113	309820	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.09	98	1097728	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	378746	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	298890	41.827	ug/l	99
3) Chloromethane	2.06	50	314537	41.743	ug/l	100
4) Vinyl Chloride	2.19	62	340366	46.532	ug/l	99
5) Bromomethane	2.57	94	231486	48.401	ug/l	99
6) Chloroethane	2.71	64	212421	50.819	ug/l	97
7) Trichlorofluoromethane	3.02	101	490050	49.404	ug/l	99
8) Diethyl Ether	3.41	74	160835	44.398	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	298995	48.739	ug/l	98
10) Methyl Iodide	3.96	142	421157	43.740	ug/l	100
11) Tert butyl alcohol	4.77	59	91416	242.593	ug/l	99
12) 1,1-Dichloroethene	3.74	96	260578	44.335	ug/l	97
13) Acrolein	3.61	56	57653	281.005	ug/l	98
14) Allyl chloride	4.33	41	419460	44.823	ug/l	99
15) Acrylonitrile	4.98	53	494094	242.880	ug/l	99
16) Acetone	3.81	43	547235	335.067	ug/l	98
17) Carbon Disulfide	4.06	76	691954	37.809	ug/l	100
18) Methyl Acetate	4.32	43	256193	52.967	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	732278	49.147	ug/l	100
20) Methylene Chloride	4.55	84	308336	45.000	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	282441	44.542	ug/l	97
22) Diisopropyl ether	5.95	45	845929	48.785	ug/l	98
23) Vinyl Acetate	5.89	43	2771793	231.070	ug/l	98
24) 1,1-Dichloroethane	5.85	63	540563	46.739	ug/l	100
25) 2-Butanone	6.83	43	639769	274.659	ug/l	97
26) 2,2-Dichloropropane	6.82	77	435190	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	341978	48.501	ug/l	97
28) Bromochloromethane	7.19	49	254410	50.690	ug/l	94
29) Tetrahydrofuran	7.21	42	380550	254.425	ug/l	97
30) Chloroform	7.37	83	566778	49.436	ug/l	100
31) Cyclohexane	7.65	56	470033	43.629	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	473079	49.583	ug/l	99
36) 1,1-Dichloropropene	7.79	75	410171	49.678	ug/l	99
37) Ethyl Acetate	6.93	43	241434	52.357	ug/l	98
38) Carbon Tetrachloride	7.77	117	418814	50.353	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	475822	48.575	ug/l	99
40) Benzene	8.04	78	1231254	48.358	ug/l	100
41) Methacrylonitrile	7.17	41	116069	45.036	ug/l #	78
42) 1,2-Dichloroethane	8.12	62	362607	47.964	ug/l	100
43) Isopropyl Acetate	8.16	43	403058	45.260	ug/l	97
44) Trichloroethene	8.83	130	343253	47.354	ug/l	97
45) 1,2-Dichloropropane	9.12	63	329865	50.653	ug/l	100
46) Dibromomethane	9.21	93	192119	48.939	ug/l	96
47) Bromodichloromethane	9.40	83	419627	51.410	ug/l	99
48) Methyl methacrylate	9.20	41	196543	46.235	ug/l	89
49) 1,4-Dioxane	9.20	88	62776	1018.405	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1140173	260.542	ug/l	100
52) Toluene	10.16	92	753102	49.838	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	428912	52.477	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	493696	50.974	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	305700	56.142	ug/l	99
56) Ethyl methacrylate	10.43	69	337642	52.416	ug/l	98
57) 1,3-Dichloropropane	10.71	76	503414	54.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	731648	185.287	ug/l	97
59) 2-Hexanone	10.75	43	866358	291.620	ug/l	98
60) Dibromochloromethane	10.90	129	350480	57.078	ug/l	99
61) 1,2-Dibromoethane	11.00	107	283405	52.585	ug/l	99
64) Tetrachloroethene	10.63	164	378645	51.312	ug/l	99
65) Chlorobenzene	11.43	112	903105	49.390	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	331377	51.892	ug/l	99
67) Ethyl Benzene	11.51	91	1474792	49.100	ug/l	100
68) m/p-Xylenes	11.62	106	1140702	99.504	ug/l	99
69) o-Xylene	11.95	106	541164	48.863	ug/l	97
70) Styrene	11.96	104	889557	49.555	ug/l	99
71) Bromoform	12.13	173	232136	53.023	ug/l #	98
73) Isopropylbenzene	12.25	105	1437821	50.787	ug/l	99
74) N-amyl acetate	12.07	43	325779	47.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	328029	48.414	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	308575m	59.654	ug/l	
77) Bromobenzene	12.53	156	381697	50.026	ug/l	96
78) n-propylbenzene	12.59	91	1678512	51.287	ug/l	100
79) 2-Chlorotoluene	12.67	91	977774	50.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1240578	52.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	91599	49.794	ug/l	99
82) 4-Chlorotoluene	12.77	91	993632	49.871	ug/l	99
83) tert-Butylbenzene	12.99	119	1105581	53.283	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1249936	52.258	ug/l	99
85) sec-Butylbenzene	13.17	105	1503957	53.264	ug/l	99
86) p-Isopropyltoluene	13.29	119	1330649	53.884	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	692563	50.493	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	687116	50.643	ug/l	98
89) n-Butylbenzene	13.61	91	1146006	53.615	ug/l	99
90) Hexachloroethane	13.87	117	228592	56.120	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	676374	51.510	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48701	50.434	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	391555	51.992	ug/l	100
94) Hexachlorobutadiene	15.01	225	267524	57.041	ug/l	99
95) Naphthalene	15.13	128	712897	40.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	366477	52.445	ug/l	99

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

