

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054380.D
 Acq On : 18 Mar 2019 8:50
 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
 3/19/2019 9:23:35 AM

Quant Time: Mar 19 05:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1356718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1953665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1738473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	820104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	691541	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.59	113	646774	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.09	98	2362231	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	820680	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	625320	48.632	ug/l	98
3) Chloromethane	2.06	50	560561	44.880	ug/l	100
4) Vinyl Chloride	2.19	62	644581	45.152	ug/l	100
5) Bromomethane	2.57	94	418255	42.302	ug/l	97
6) Chloroethane	2.71	64	388346	44.960	ug/l	98
7) Trichlorofluoromethane	3.02	101	855928	45.096	ug/l	100
8) Diethyl Ether	3.41	74	426071	49.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	719017	50.553	ug/l	100
10) Methyl Iodide	3.94	142	1070342	52.901	ug/l	100
11) Tert butyl alcohol	4.81	59	206102	208.656	ug/l	98
12) 1,1-Dichloroethene	3.73	96	676994	48.032	ug/l	99
13) Acrolein	3.60	56	177204	189.323	ug/l	99
14) Allyl chloride	4.31	41	878620	48.585	ug/l	99
15) Acrylonitrile	4.99	53	1043804	257.259	ug/l	99
16) Acetone	3.82	43	1102467	267.236	ug/l	100
17) Carbon Disulfide	4.04	76	1534234	43.422	ug/l	100
18) Methyl Acetate	4.33	43	490535	58.771	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1731042	49.548	ug/l	99
20) Methylene Chloride	4.55	84	668672	49.363	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	647615	47.955	ug/l	99
22) Diisopropyl ether	5.96	45	1869578	51.799	ug/l	97
23) Vinyl Acetate	5.90	43	6617037	248.654	ug/l	99
24) 1,1-Dichloroethane	5.84	63	1146749	49.483	ug/l	99
25) 2-Butanone	6.84	43	1338496	276.434	ug/l	99
26) 2,2-Dichloropropane	6.82	77	934076	45.834	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	758055	50.316	ug/l	99
28) Bromochloromethane	7.19	49	477267	50.377	ug/l	100
29) Tetrahydrofuran	7.22	42	781951	251.170	ug/l	99
30) Chloroform	7.37	83	1231466	50.924	ug/l	100
31) Cyclohexane	7.65	56	1027834	47.375	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1059698	48.521	ug/l	99
36) 1,1-Dichloropropene	7.79	75	935303	51.986	ug/l	100
37) Ethyl Acetate	6.93	43	539240	52.162	ug/l	99
38) Carbon Tetrachloride	7.77	117	927790	49.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1074685	48.548	ug/l	99
40) Benzene	8.04	78	2722124	52.872	ug/l	99
41) Methacrylonitrile	7.17	41	290661	49.243	ug/l	95
42) 1,2-Dichloroethane	8.12	62	887311	51.048	ug/l	99
43) Isopropyl Acetate	8.17	43	910288	50.166	ug/l	98
44) Trichloroethene	8.83	130	826940	51.704	ug/l	99
45) 1,2-Dichloropropane	9.12	63	692270	54.151	ug/l	98
46) Dibromomethane	9.21	93	449957	52.092	ug/l	99
47) Bromodichloromethane	9.40	83	931504	53.793	ug/l	98
48) Methyl methacrylate	9.20	41	490625	53.279	ug/l	98
49) 1,4-Dioxane	9.20	88	126502	971.192	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2617616	272.590	ug/l	99
52) Toluene	10.16	92	1742158	53.367	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	904959	45.863	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1069509	53.001	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	644343	54.056	ug/l	98
56) Ethyl methacrylate	10.43	69	764973	53.822	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1046115	53.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1515386	246.044	ug/l	99
59) 2-Hexanone	10.75	43	1748139	273.589	ug/l	98
60) Dibromochloromethane	10.90	129	719915	53.659	ug/l	100
61) 1,2-Dibromoethane	11.00	107	649850	53.648	ug/l	99
64) Tetrachloroethene	10.63	164	844646	50.251	ug/l	98
65) Chlorobenzene	11.43	112	1997416	52.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	736769	53.131	ug/l	99
67) Ethyl Benzene	11.51	91	3298793	52.133	ug/l	100
68) m/p-Xylenes	11.62	106	2624114	106.104	ug/l	100
69) o-Xylene	11.95	106	1271794	52.752	ug/l	98
70) Styrene	11.96	104	2030417	53.699	ug/l	100
71) Bromoform	12.13	173	480486	45.669	ug/l #	100
73) Isopropylbenzene	12.25	105	3329228	50.740	ug/l	100
74) N-amyl acetate	12.07	43	762906	52.383	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	740784	52.991	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	607637m	50.385	ug/l	
77) Bromobenzene	12.53	156	885287	50.989	ug/l	100
78) n-propylbenzene	12.59	91	3689387	51.821	ug/l	100
79) 2-Chlorotoluene	12.67	91	2189607	51.150	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2722157	49.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	164412	46.603	ug/l	95
82) 4-Chlorotoluene	12.77	91	2230514	52.183	ug/l	100
83) tert-Butylbenzene	12.99	119	2406253	47.900	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2753033	51.418	ug/l	100
85) sec-Butylbenzene	13.17	105	3119771	47.888	ug/l	100
86) p-Isopropyltoluene	13.29	119	2786054	48.747	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1532391	52.379	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1496399	52.067	ug/l	100
89) n-Butylbenzene	13.61	91	2178962	50.176	ug/l	99
90) Hexachloroethane	13.87	117	438299	46.313	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1488213	52.035	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	109354	50.552	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	756218	44.108	ug/l	100
94) Hexachlorobutadiene	15.01	225	442531	40.622	ug/l	99
95) Naphthalene	15.13	128	1551273	43.604	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	730761	48.089	ug/l	100

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

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