

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054253.D
 Acq On : 14 Mar 2019 10:28
 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
 3/15/2019 9:42:06 AM

Quant Time: Mar 15 07:10:53 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	1468751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2185676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	965849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	756286	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.59	113	707309	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	2536096	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	892843	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	733177	52.671	ug/l	100
3) Chloromethane	2.06	50	597114	44.160	ug/l	99
4) Vinyl Chloride	2.19	62	748790	48.451	ug/l	99
5) Bromomethane	2.57	94	472356	44.130	ug/l	99
6) Chloroethane	2.71	64	441705	47.237	ug/l	99
7) Trichlorofluoromethane	3.02	101	1016675	49.479	ug/l	100
8) Diethyl Ether	3.41	74	485187	51.817	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	874481	56.793	ug/l	99
10) Methyl Iodide	3.94	142	957815	43.988	ug/l	100
11) Tert butyl alcohol	4.81	59	233687	218.537	ug/l	98
12) 1,1-Dichloroethene	3.73	96	816751	53.527	ug/l	99
13) Acrolein	3.61	56	242340	239.165	ug/l	100
14) Allyl chloride	4.32	41	995339	50.841	ug/l	98
15) Acrylonitrile	4.99	53	1111002	252.934	ug/l	100
16) Acetone	3.82	43	1149271	257.331	ug/l	100
17) Carbon Disulfide	4.04	76	1816565	47.490	ug/l	100
18) Methyl Acetate	4.33	43	497031	55.007	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1922644	50.834	ug/l	99
20) Methylene Chloride	4.54	84	740121	50.470	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	759164	51.927	ug/l	99
22) Diisopropyl ether	5.96	45	2063426	52.809	ug/l	99
23) Vinyl Acetate	5.90	43	7443086	258.361	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1293039	51.540	ug/l	99
25) 2-Butanone	6.84	43	1387553	264.707	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1106208	50.140	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	869124	53.287	ug/l	99
28) Bromochloromethane	7.19	49	491216	47.894	ug/l	98
29) Tetrahydrofuran	7.22	42	833968	247.445	ug/l	99
30) Chloroform	7.37	83	1383910	52.863	ug/l	100
31) Cyclohexane	7.65	56	1208753	51.573	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1208904	51.131	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1054711	52.400	ug/l	99
37) Ethyl Acetate	6.93	43	565567	48.902	ug/l	99
38) Carbon Tetrachloride	7.77	117	1069790	50.682	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1359497	54.895	ug/l	99
40) Benzene	8.04	78	3037079	52.728	ug/l	99
41) Methacrylonitrile	7.17	41	313022	47.402	ug/l	96
42) 1,2-Dichloroethane	8.12	62	1013023	52.093	ug/l	100
43) Isopropyl Acetate	8.17	43	1006129	49.562	ug/l	99
44) Trichloroethene	8.83	130	945163	52.823	ug/l	99
45) 1,2-Dichloropropane	9.12	63	761389	53.235	ug/l	99
46) Dibromomethane	9.21	93	502900	52.041	ug/l	99
47) Bromodichloromethane	9.40	83	1037499	53.554	ug/l	98
48) Methyl methacrylate	9.20	41	534906	51.922	ug/l	98
49) 1,4-Dioxane	9.20	88	138195	948.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2791854	259.873	ug/l	100
52) Toluene	10.16	92	1940733	53.139	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1026884	46.489	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1198776	53.101	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	695449	52.151	ug/l	99
56) Ethyl methacrylate	10.43	69	837198	52.651	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1142972	52.417	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1534086	224.241	ug/l	99
59) 2-Hexanone	10.75	43	1853401	259.272	ug/l	100
60) Dibromochloromethane	10.90	129	780377	51.991	ug/l	100
61) 1,2-Dibromoethane	11.01	107	701311	51.751	ug/l	99
64) Tetrachloroethene	10.63	164	917212	49.673	ug/l	99
65) Chlorobenzene	11.43	112	2237977	53.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	818548	53.733	ug/l	99
67) Ethyl Benzene	11.51	91	3684807	53.009	ug/l	100
68) m/p-Xylenes	11.62	106	2915688	107.317	ug/l	100
69) o-Xylene	11.95	106	1396308	52.720	ug/l	100
70) Styrene	11.96	104	2247188	54.100	ug/l	100
71) Bromoform	12.13	173	511086	44.294	ug/l #	99
73) Isopropylbenzene	12.25	105	3772463	48.819	ug/l	100
74) N-amyl acetate	12.07	43	820000	47.807	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	795980	48.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	705660m	49.683	ug/l	
77) Bromobenzene	12.53	156	1007637	49.278	ug/l	97
78) n-propylbenzene	12.59	91	4246162	50.642	ug/l	99
79) 2-Chlorotoluene	12.67	91	2472189	49.037	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3162196	49.197	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177683	42.765	ug/l	95
82) 4-Chlorotoluene	12.77	91	2536285	50.382	ug/l	99
83) tert-Butylbenzene	12.99	119	2858911	48.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3196123	50.686	ug/l	100
85) sec-Butylbenzene	13.17	105	3832923	49.957	ug/l	99
86) p-Isopropyltoluene	13.29	119	3424402	50.874	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1800399	52.253	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1746269	51.592	ug/l	99
89) n-Butylbenzene	13.61	91	2842503	55.579	ug/l	100
90) Hexachloroethane	13.87	117	514091	46.125	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1719794	51.058	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	116076	45.562	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1045396	51.337	ug/l	100
94) Hexachlorobutadiene	15.01	225	639819	49.869	ug/l	99
95) Naphthalene	15.13	128	1922273	45.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	991393	55.395	ug/l	99

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

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