

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054163.D
 Acq On : 12 Mar 2019 13:51
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:27 AM

Quant Time: Mar 13 07:39:32 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	1807433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2587335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2291495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1147023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	892543	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	7.59	113	822646	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.09	98	3042286	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	1090904	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	908174	53.017	ug/l	99
3) Chloromethane	2.06	50	791164	47.547	ug/l	99
4) Vinyl Chloride	2.19	62	892928	46.951	ug/l	99
5) Bromomethane	2.57	94	597397	45.354	ug/l	99
6) Chloroethane	2.71	64	519400	45.138	ug/l	99
7) Trichlorofluoromethane	3.02	101	1169336	46.245	ug/l	99
8) Diethyl Ether	3.41	74	570193	49.484	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	987282	52.104	ug/l	100
10) Methyl Iodide	3.94	142	1254063	46.706	ug/l	99
11) Tert butyl alcohol	4.81	59	330003	250.781	ug/l	99
12) 1,1-Dichloroethene	3.73	96	934841	49.786	ug/l	99
13) Acrolein	3.61	56	275238	220.733	ug/l	100
14) Allyl chloride	4.32	41	1247045	51.762	ug/l	100
15) Acrylonitrile	4.99	53	1389935	257.142	ug/l	99
16) Acetone	3.82	43	1389290	252.784	ug/l	100
17) Carbon Disulfide	4.04	76	2507977	53.280	ug/l	99
18) Methyl Acetate	4.33	43	586603	52.755	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2373129	50.988	ug/l	100
20) Methylene Chloride	4.54	84	888000	49.207	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	903388	50.213	ug/l	98
22) Diisopropyl ether	5.96	45	2453936	51.035	ug/l	99
23) Vinyl Acetate	5.90	43	9336227	263.349	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1541248	49.922	ug/l	99
25) 2-Butanone	6.84	43	1753469	271.831	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1427909	52.594	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1025404	51.089	ug/l	100
28) Bromochloromethane	7.19	49	636635	50.441	ug/l	98
29) Tetrahydrofuran	7.22	42	1054474	254.244	ug/l	100
30) Chloroform	7.37	83	1619403	50.267	ug/l	100
31) Cyclohexane	7.65	56	1459761	50.588	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1476732	50.755	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1285589	53.955	ug/l	100
37) Ethyl Acetate	6.93	43	725360	52.982	ug/l	99
38) Carbon Tetrachloride	7.77	117	1322388	52.923	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1643701	56.068	ug/l	100
40) Benzene	8.04	78	3641609	53.409	ug/l	98
41) Methacrylonitrile	7.18	41	387198	49.533	ug/l	95
42) 1,2-Dichloroethane	8.12	62	1197738	52.031	ug/l	99
43) Isopropyl Acetate	8.17	43	1299958	54.095	ug/l	98
44) Trichloroethene	8.83	130	1122495	52.995	ug/l	100
45) 1,2-Dichloropropane	9.12	63	903825	53.384	ug/l	99
46) Dibromomethane	9.21	93	601548	52.586	ug/l	98
47) Bromodichloromethane	9.40	83	1248683	54.449	ug/l	97
48) Methyl methacrylate	9.20	41	648147	53.147	ug/l	96
49) 1,4-Dioxane	9.20	88	189519	1098.646	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3545842	278.818	ug/l	100
52) Toluene	10.16	92	2313510	53.512	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1328883	50.637	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1482934	55.491	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	831457	52.670	ug/l	99
56) Ethyl methacrylate	10.43	69	1054549	56.025	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1379580	53.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1911441	235.141	ug/l	99
59) 2-Hexanone	10.75	43	2397907	283.369	ug/l	100
60) Dibromochloromethane	10.90	129	980989	55.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	863665	53.837	ug/l	99
64) Tetrachloroethene	10.63	164	1114385	50.299	ug/l	99
65) Chlorobenzene	11.43	112	2677449	53.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	994670	54.419	ug/l	99
67) Ethyl Benzene	11.51	91	4435214	53.176	ug/l	99
68) m/p-Xylenes	11.62	106	3537555	108.518	ug/l	100
69) o-Xylene	11.95	106	1701292	53.536	ug/l	100
70) Styrene	11.96	104	2740832	54.994	ug/l	100
71) Bromoform	12.13	173	696504	49.989	ug/l #	99
73) Isopropylbenzene	12.25	105	4542893	49.504	ug/l	100
74) N-amyl acetate	12.07	43	1112351	54.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	978112	50.026	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	745059m	44.171	ug/l	
77) Bromobenzene	12.53	156	1205636	49.648	ug/l	99
78) n-propylbenzene	12.59	91	5185410	52.075	ug/l	100
79) 2-Chlorotoluene	12.67	91	3001976	50.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3875216	50.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	265808	53.870	ug/l	98
82) 4-Chlorotoluene	12.77	91	3094662	51.764	ug/l	100
83) tert-Butylbenzene	12.99	119	3515241	50.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3934227	52.536	ug/l	99
85) sec-Butylbenzene	13.17	105	4656174	51.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	4191782	52.439	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2184176	53.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2142217	53.293	ug/l	100
89) n-Butylbenzene	13.61	91	3506281	57.729	ug/l	100
90) Hexachloroethane	13.87	117	695963	52.580	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	2091600	52.288	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	158230	52.298	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	1275741	52.683	ug/l	99
94) Hexachlorobutadiene	15.01	225	802297	52.656	ug/l	100
95) Naphthalene	15.13	128	2502640	49.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1219520	57.379	ug/l	99

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

