

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053779.D
 Acq On : 14 Feb 2019 15:09
 Operator : JC/SP
 Sample : VN0214WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:54 AM

Quant Time: Feb 15 01:35:13 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	7.67	168	661945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1055583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	407521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	364680	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	356631	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	10.09	98	1251293	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	407356	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136153	18.459	ug/l	100
3) Chloromethane	2.06	50	158062	20.113	ug/l	100
4) Vinyl Chloride	2.19	62	163798	21.471	ug/l	99
5) Bromomethane	2.58	94	108061	21.664	ug/l	98
6) Chloroethane	2.71	64	102329	23.473	ug/l	99
7) Trichlorofluoromethane	3.02	101	217483	21.023	ug/l	99
8) Diethyl Ether	3.41	74	78226	20.705	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	129241	20.200	ug/l	97
10) Methyl Iodide	3.96	142	191664	19.086	ug/l	100
11) Tert butyl alcohol	4.78	59	46503	118.326	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	126830	20.691	ug/l	95
13) Acrolein	3.61	56	27796	129.903	ug/l	97
14) Allyl chloride	4.33	41	198342	20.322	ug/l	100
15) Acrylonitrile	4.99	53	243585	114.810	ug/l	99
16) Acetone	3.82	43	169727	99.644	ug/l	99
17) Carbon Disulfide	4.06	76	335122	17.558	ug/l	100
18) Methyl Acetate	4.33	43	126578	25.093	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351718	22.634	ug/l	99
20) Methylene Chloride	4.55	84	150257	21.026	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132589	20.049	ug/l	96
22) Diisopropyl ether	5.95	45	404285	22.356	ug/l	95
23) Vinyl Acetate	5.90	43	1325945	105.987	ug/l	99
24) 1,1-Dichloroethane	5.85	63	258672	21.445	ug/l	99
25) 2-Butanone	6.84	43	261972	107.838	ug/l	99
26) 2,2-Dichloropropane	6.83	77	175887	19.102	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	154838	21.056	ug/l	97
28) Bromochloromethane	7.20	49	111178	21.240	ug/l	97
29) Tetrahydrofuran	7.21	42	176644	113.238	ug/l	96
30) Chloroform	7.37	83	255697	21.385	ug/l	97
31) Cyclohexane	7.66	56	211699	18.745	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	213568	21.462	ug/l	98
36) 1,1-Dichloropropene	7.79	75	186372	19.586	ug/l	99
37) Ethyl Acetate	6.93	43	120245	22.626	ug/l	99
38) Carbon Tetrachloride	7.78	117	187354	19.545	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199179	17.644	ug/l	99
40) Benzene	8.04	78	580184	19.772	ug/l	99
41) Methacrylonitrile	7.18	41	70130	23.611	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	177733	20.400	ug/l	100
43) Isopropyl Acetate	8.17	43	210697	20.529	ug/l	98
44) Trichloroethene	8.84	130	154035	18.439	ug/l	98
45) 1,2-Dichloropropane	9.12	63	154171	20.542	ug/l	99
46) Dibromomethane	9.21	93	91532	20.231	ug/l	97
47) Bromodichloromethane	9.40	83	190917	20.296	ug/l	98
48) Methyl methacrylate	9.20	41	99694	20.349	ug/l	98
49) 1,4-Dioxane	9.20	88	26990	404.440	ug/l #	95
51) 4-Methyl-2-Pentanone	9.99	43	546412	108.342	ug/l	100
52) Toluene	10.16	92	348127	19.990	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180173	19.128	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	220496	19.754	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135480	21.589	ug/l	96
56) Ethyl methacrylate	10.43	69	151855	20.455	ug/l	98
57) 1,3-Dichloropropane	10.71	76	219224	20.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	332366	77.887	ug/l	100
59) 2-Hexanone	10.75	43	327858	95.758	ug/l	99
60) Dibromochloromethane	10.90	129	144303	20.392	ug/l	100
61) 1,2-Dibromoethane	11.01	107	125563	20.216	ug/l	99
64) Tetrachloroethene	10.63	164	154094	20.043	ug/l	97
65) Chlorobenzene	11.44	112	378041	19.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	140617	21.135	ug/l	99
67) Ethyl Benzene	11.51	91	620921	19.841	ug/l	99
68) m/p-Xylenes	11.62	106	484342	40.551	ug/l	97
69) o-Xylene	11.95	106	237494	20.582	ug/l	98
70) Styrene	11.96	104	376102	20.109	ug/l	100
71) Bromoform	12.13	173	96596	21.177	ug/l #	99
73) Isopropylbenzene	12.25	105	625191	21.823	ug/l	100
74) N-amyl acetate	12.07	43	148195	21.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151463	22.091	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	136079m	25.997	ug/l	
77) Bromobenzene	12.53	156	162128	20.999	ug/l	99
78) n-propylbenzene	12.59	91	693888	20.952	ug/l	100
79) 2-Chlorotoluene	12.67	91	416137	21.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	518828	21.840	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35821	19.243	ug/l	95
82) 4-Chlorotoluene	12.77	91	415288	20.598	ug/l	100
83) tert-Butylbenzene	12.99	119	468993	22.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	525219	21.700	ug/l	99
85) sec-Butylbenzene	13.17	105	620187	21.706	ug/l	99
86) p-Isopropyltoluene	13.29	119	586925	23.488	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279147	20.112	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268689	19.570	ug/l	99
89) n-Butylbenzene	13.62	91	427771	19.777	ug/l	99
90) Hexachloroethane	13.87	117	92862	22.529	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	281565	21.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21422	21.923	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	139453	18.299	ug/l	99
94) Hexachlorobutadiene	15.01	225	100733	21.225	ug/l	100
95) Naphthalene	15.13	128	284624	17.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138852	19.637	ug/l	99

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

