

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061013.D
 Acq On : 16 Apr 2020 15:49
 Operator : JC/MD
 Sample : VN0416WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:30 AM

Quant Time: Apr 17 04:19:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	172722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	287446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	99691	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.56	113	78798	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
50) Toluene-d8	10.08	98	282218	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
62) 4-Bromofluorobenzene	12.39	95	110573	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	42989	19.058	ug/l 98
3) Chloromethane	2.04	50	55725	18.191	ug/l 97
4) Vinyl Chloride	2.17	62	46716	18.351	ug/l 99
5) Bromomethane	2.55	94	24558	19.236	ug/l 100
6) Chloroethane	2.69	64	28240	19.230	ug/l 98
7) Trichlorofluoromethane	3.00	101	60938	19.227	ug/l 100
8) Diethyl Ether	3.38	74	23616	18.748	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34990	18.817	ug/l 98
10) Methyl Iodide	3.93	142	33229	20.256	ug/l 99
11) Tert butyl alcohol	4.72	59	31653	80.729	ug/l 98
12) 1,1-Dichloroethene	3.72	96	35606	18.838	ug/l 95
13) Acrolein	3.57	56	25535	77.132	ug/l 99
14) Allyl chloride	4.29	41	64575	18.057	ug/l 99
15) Acrylonitrile	4.94	53	94135	88.548	ug/l 100
16) Acetone	3.78	43	88838	91.334	ug/l 99
17) Carbon Disulfide	4.03	76	109231	18.468	ug/l 99
18) Methyl Acetate	4.28	43	53971	17.695	ug/l 98
19) Methyl tert-butyl Ether	5.00	73	122366	18.567	ug/l 99
20) Methylene Chloride	4.52	84	39214	18.465	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	37470	18.535	ug/l 98
22) Diisopropyl ether	5.91	45	137266	18.481	ug/l 99
23) Vinyl Acetate	5.85	43	529361	90.886	ug/l 100
24) 1,1-Dichloroethane	5.81	63	75224	18.752	ug/l 99
25) 2-Butanone	6.79	43	128477	86.198	ug/l 100
26) 2,2-Dichloropropane	6.79	77	64272	19.242	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	43223	18.623	ug/l 100
28) Bromochloromethane	7.16	49	35410	19.230	ug/l 97
29) Tetrahydrofuran	7.18	42	85988	84.978	ug/l 99
30) Chloroform	7.34	83	70715	18.899	ug/l 98
31) Cyclohexane	7.63	56	74189	18.022	ug/l 95
32) 1,1,1-Trichloroethane	7.54	97	61209	18.912	ug/l 99
36) 1,1-Dichloropropene	7.77	75	56180	18.940	ug/l 100
37) Ethyl Acetate	6.89	43	55230	17.148	ug/l 100
38) Carbon Tetrachloride	7.75	117	47325	19.168	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	66807	18.839	ug/l	97
40) Benzene	8.02	78	164679	18.714	ug/l	100
41) Methacrylonitrile	7.14	41	26460	19.696	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57456	19.167	ug/l	100
43) Isopropyl Acetate	8.14	43	94041	17.953	ug/l	99
44) Trichloroethene	8.82	130	41491	18.765	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44403	18.682	ug/l	97
46) Dibromomethane	9.19	93	26438	19.293	ug/l	99
47) Bromodichloromethane	9.38	83	54334	18.768	ug/l	99
48) Methyl methacrylate	9.18	41	41355	17.865	ug/l	98
49) 1,4-Dioxane	9.18	88	10612	339.356	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	267811	88.689	ug/l	100
52) Toluene	10.14	92	99083	18.769	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	63616	18.918	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	69707	18.999	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	37348	18.695	ug/l	97
56) Ethyl methacrylate	10.42	69	57480	18.297	ug/l	99
57) 1,3-Dichloropropane	10.69	76	66630	18.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	118907	83.299	ug/l	99
59) 2-Hexanone	10.74	43	188551	86.582	ug/l	99
60) Dibromochloromethane	10.89	129	38432	18.727	ug/l	100
61) 1,2-Dibromoethane	10.99	107	37777	18.557	ug/l	99
64) Tetrachloroethene	10.62	164	38337	19.421	ug/l	98
65) Chlorobenzene	11.42	112	99148	18.618	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36250	19.026	ug/l	99
67) Ethyl Benzene	11.50	91	189845	18.952	ug/l	99
68) m/p-Xylenes	11.61	106	138933	38.377	ug/l	99
69) o-Xylene	11.94	106	65855	18.920	ug/l	99
70) Styrene	11.96	104	106765	19.053	ug/l	99
71) Bromoform	12.12	173	26375	18.546	ug/l #	99
73) Isopropylbenzene	12.24	105	179468	19.201	ug/l	100
74) N-amyl acetate	12.06	43	76923	17.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	52818	18.512	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	49724m	19.377	ug/l	
77) Bromobenzene	12.52	156	41655	19.088	ug/l	96
78) n-propylbenzene	12.58	91	212660	19.447	ug/l	100
79) 2-Chlorotoluene	12.67	91	124616	19.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	150270	19.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17962	17.265	ug/l	99
82) 4-Chlorotoluene	12.77	91	127753	19.206	ug/l	99
83) tert-Butylbenzene	12.99	119	126441	19.461	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	151144	19.792	ug/l	99
85) sec-Butylbenzene	13.17	105	171051	19.430	ug/l	100
86) p-Isopropyltoluene	13.28	119	154370	19.692	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	73298	18.847	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	71485	18.271	ug/l	97
89) n-Butylbenzene	13.61	91	139818	19.180	ug/l	100
90) Hexachloroethane	13.87	117	22733	18.902	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	70267	18.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10118	18.324	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	41255	18.778	ug/l	99
94) Hexachlorobutadiene	15.00	225	21860	19.342	ug/l	99
95) Naphthalene	15.13	128	114277	17.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	39636	18.721	ug/l	99

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

