

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060409.D
 Acq On : 10 Mar 2020 12:22
 Operator : JC/MD
 Sample : VN0310WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:11 PM

Quant Time: Mar 11 06:57:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	320053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122855	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.56	113	88613	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
50) Toluene-d8	10.08	98	347961	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.40	95	131477	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27144	15.172	ug/l	99
3) Chloromethane	2.04	50	51276	16.461	ug/l	98
4) Vinyl Chloride	2.16	62	42011	15.726	ug/l	97
5) Bromomethane	2.55	94	17142	14.222	ug/l	93
6) Chloroethane	2.69	64	23679	16.360	ug/l	97
7) Trichlorofluoromethane	3.00	101	56035	16.418	ug/l	99
8) Diethyl Ether	3.38	74	23699	18.390	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	32088	16.612	ug/l	97
10) Methyl Iodide	3.92	142	26131	14.823	ug/l	99
11) Tert butyl alcohol	4.73	59	37738	101.511	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32962	17.532	ug/l	96
13) Acrolein	3.58	56	30801	88.810	ug/l	99
14) Allyl chloride	4.29	41	62699	18.139	ug/l	98
15) Acrylonitrile	4.94	53	101512	103.595	ug/l	98
16) Acetone	3.78	43	82862	102.487	ug/l	99
17) Carbon Disulfide	4.03	76	78736	15.338	ug/l	99
18) Methyl Acetate	4.29	43	52710	19.536	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	130325	19.147	ug/l	98
20) Methylene Chloride	4.52	84	39521	17.799	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	35606	17.399	ug/l	98
22) Diisopropyl ether	5.91	45	136372	19.477	ug/l	97
23) Vinyl Acetate	5.86	43	543262	97.642	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73150	18.456	ug/l	98
25) 2-Butanone	6.80	43	135382	103.667	ug/l	100
26) 2,2-Dichloropropane	6.79	77	64980	18.009	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	44214	17.173	ug/l	97
28) Bromochloromethane	7.17	49	29951	18.405	ug/l	96
29) Tetrahydrofuran	7.18	42	93280	102.718	ug/l	98
30) Chloroform	7.35	83	73399	18.603	ug/l	98
31) Cyclohexane	7.63	56	62622	17.647	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	62590	17.905	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52224	17.121	ug/l	99
37) Ethyl Acetate	6.90	43	57820	20.019	ug/l	99
38) Carbon Tetrachloride	7.75	117	51360	17.294	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57775	16.065	ug/l	96
40) Benzene	8.02	78	160787	18.111	ug/l	99
41) Methacrylonitrile	7.14	41	22967	17.222	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60933	19.020	ug/l	100
43) Isopropyl Acetate	8.14	43	100379	19.852	ug/l	100
44) Trichloroethene	8.82	130	43392	17.549	ug/l	99
45) 1,2-Dichloropropane	9.10	63	45864	19.759	ug/l	100
46) Dibromomethane	9.19	93	28064	18.633	ug/l	99
47) Bromodichloromethane	9.39	83	59012	19.265	ug/l	97
48) Methyl methacrylate	9.18	41	43231	18.749	ug/l	99
49) 1,4-Dioxane	9.18	88	13126	404.810	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	296854	103.547	ug/l	99
52) Toluene	10.14	92	98651	17.689	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68731	18.311	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72257	18.578	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43234	19.278	ug/l	99
56) Ethyl methacrylate	10.42	69	62449	19.382	ug/l	99
57) 1,3-Dichloropropane	10.70	76	70516	19.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	156922	93.123	ug/l	99
59) 2-Hexanone	10.74	43	211936	100.687	ug/l	100
60) Dibromochloromethane	10.89	129	43553	19.096	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41083	18.792	ug/l	100
64) Tetrachloroethene	10.62	164	45062	18.634	ug/l	99
65) Chlorobenzene	11.43	112	105526	17.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40477	18.491	ug/l	99
67) Ethyl Benzene	11.50	91	194512	18.042	ug/l	100
68) m/p-Xylenes	11.62	106	142254	34.972	ug/l	98
69) o-Xylene	11.94	106	69691	17.967	ug/l	99
70) Styrene	11.96	104	111562	17.494	ug/l	99
71) Bromoform	12.12	173	29738	18.850	ug/l #	99
73) Isopropylbenzene	12.25	105	188526	18.116	ug/l	100
74) N-amyl acetate	12.06	43	85396	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57005	20.152	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	50717m	16.464	ug/l	
77) Bromobenzene	12.52	156	45875	17.984	ug/l	98
78) n-propylbenzene	12.59	91	217987	17.870	ug/l	99
79) 2-Chlorotoluene	12.67	91	129501	18.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	157070	17.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20646	18.501	ug/l #	84
82) 4-Chlorotoluene	12.77	91	134522	17.806	ug/l	98
83) tert-Butylbenzene	12.99	119	132572	17.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	157347	17.792	ug/l	100
85) sec-Butylbenzene	13.17	105	179617	17.681	ug/l	99
86) p-Isopropyltoluene	13.28	119	161186	17.143	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81621	18.501	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	81566	18.498	ug/l	99
89) n-Butylbenzene	13.61	91	144128	16.699	ug/l	100
90) Hexachloroethane	13.87	117	22560	16.577	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	81306	18.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12038	18.792	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48955	17.294	ug/l	99
94) Hexachlorobutadiene	15.01	225	24441	18.358	ug/l	99
95) Naphthalene	15.13	128	147243	17.424	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48446	17.995	ug/l	99

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

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