

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060036.D
 Acq On : 10 Feb 2020 11:11
 Operator : JC/MD
 Sample : VN0210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:04:03 AM

Quant Time: Feb 11 07:23:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	174815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	275651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	251420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103628	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	7.56	113	86055	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.08	98	316130	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	113226	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	30590	14.470	ug/l	97
3) Chloromethane	2.04	50	30780	15.379	ug/l	99
4) Vinyl Chloride	2.17	62	40653	17.753	ug/l	98
5) Bromomethane	2.55	94	24334	17.413	ug/l	99
6) Chloroethane	2.69	64	19164	17.689	ug/l	97
7) Trichlorofluoromethane	3.00	101	49798	18.108	ug/l	99
8) Diethyl Ether	3.39	74	17994	18.644	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29477	19.258	ug/l	95
10) Methyl Iodide	3.93	142	36687	14.829	ug/l	96
11) Tert butyl alcohol	4.72	59	29607	90.592	ug/l	98
12) 1,1-Dichloroethene	3.72	96	26805	16.760	ug/l	91
13) Acrolein	3.58	56	18205	78.691	ug/l	96
14) Allyl chloride	4.29	41	43474	20.166	ug/l #	91
15) Acrylonitrile	4.95	53	71883	96.423	ug/l	99
16) Acetone	3.78	43	80846	116.762	ug/l	99
17) Carbon Disulfide	4.03	76	61763	13.556	ug/l	99
18) Methyl Acetate	4.29	43	45078	19.879	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	102457	19.648	ug/l	97
20) Methylene Chloride	4.52	84	32285	17.541	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	29361	17.270	ug/l	87
22) Diisopropyl ether	5.91	45	97408	19.939	ug/l #	88
23) Vinyl Acetate	5.86	43	360908	95.416	ug/l	97
24) 1,1-Dichloroethane	5.82	63	57964	19.418	ug/l	99
25) 2-Butanone	6.80	43	103175	93.848	ug/l	93
26) 2,2-Dichloropropane	6.79	77	55221	19.242	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	37487	19.171	ug/l	91
28) Bromochloromethane	7.17	49	22913	19.205	ug/l #	79
29) Tetrahydrofuran	7.18	42	62899	92.470	ug/l	91
30) Chloroform	7.35	83	62429	20.185	ug/l	98
31) Cyclohexane	7.63	56	47838	16.654	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	55511	19.411	ug/l	96
36) 1,1-Dichloropropene	7.77	75	42201	17.580	ug/l	96
37) Ethyl Acetate	6.90	43	42427	18.844	ug/l	98
38) Carbon Tetrachloride	7.75	117	48183	18.452	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	50437	17.040	ug/l	93
40) Benzene	8.02	78	130104	18.173	ug/l	100
41) Methacrylonitrile	7.14	41	17918m	16.158	ug/l	
42) 1,2-Dichloroethane	8.10	62	47910	19.738	ug/l	96
43) Isopropyl Acetate	8.14	43	70706	18.258	ug/l #	96
44) Trichloroethene	8.82	130	37319	19.095	ug/l	94
45) 1,2-Dichloropropane	9.10	63	34864	19.680	ug/l	98
46) Dibromomethane	9.19	93	23523	18.824	ug/l	94
47) Bromodichloromethane	9.39	83	50391	20.010	ug/l	99
48) Methyl methacrylate	9.18	41	29983	17.309	ug/l	90
49) 1,4-Dioxane	9.18	88	11943	376.631	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	209528	93.598	ug/l	97
52) Toluene	10.14	92	84277	18.637	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	54726	19.463	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	57626	19.478	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	34823	19.444	ug/l	97
56) Ethyl methacrylate	10.42	69	47455	17.341	ug/l	95
57) 1,3-Dichloropropane	10.70	76	56275	19.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84474	102.483	ug/l	93
59) 2-Hexanone	10.74	43	151706	91.988	ug/l	96
60) Dibromochloromethane	10.89	129	39807	19.518	ug/l	99
61) 1,2-Dibromoethane	11.00	107	35377	18.846	ug/l	98
64) Tetrachloroethene	10.62	164	37416	18.260	ug/l	96
65) Chlorobenzene	11.43	112	93222	18.864	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36958	19.355	ug/l	98
67) Ethyl Benzene	11.50	91	165720	18.473	ug/l	99
68) m/p-Xylenes	11.62	106	123415	36.420	ug/l	94
69) o-Xylene	11.94	106	61402	18.508	ug/l	93
70) Styrene	11.96	104	96289	17.345	ug/l	98
71) Bromoform	12.12	173	28436	18.591	ug/l #	99
73) Isopropylbenzene	12.25	105	163695	18.760	ug/l	100
74) N-amyl acetate	12.07	43	58831	17.376	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	47897	18.935	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	45673m	22.811	ug/l	
77) Bromobenzene	12.52	156	40902	18.511	ug/l	84
78) n-propylbenzene	12.59	91	184914	18.881	ug/l	99
79) 2-Chlorotoluene	12.67	91	110049	18.889	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	137486	18.736	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	16614	17.819	ug/l	96
82) 4-Chlorotoluene	12.77	91	112337	19.223	ug/l	98
83) tert-Butylbenzene	12.99	119	122648	19.325	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	135789	18.704	ug/l	98
85) sec-Butylbenzene	13.17	105	159665	19.148	ug/l	99
86) p-Isopropyltoluene	13.28	119	145258	18.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	73019	19.024	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	70827	18.497	ug/l	98
89) n-Butylbenzene	13.61	91	124015	18.851	ug/l	98
90) Hexachloroethane	13.87	117	27335	18.936	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	71232	18.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10396	17.803	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41193	18.066	ug/l	99
94) Hexachlorobutadiene	15.01	225	23947	19.059	ug/l	98
95) Naphthalene	15.13	128	108416	16.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	40474	18.237	ug/l	99

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

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