

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058696.D
 Acq On : 11 Oct 2019 12:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:17 AM

Quant Time: Oct 11 23:44:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	660995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	132461	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	
35) Dibromofluoromethane	7.57	113	95097	21.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.50%	
50) Toluene-d8	10.08	98	375967	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
62) 4-Bromofluorobenzene	12.40	95	136700	21.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117250	23.706	ug/l	99
3) Chloromethane	2.04	50	131996	23.952	ug/l	100
4) Vinyl Chloride	2.17	62	132985	24.550	ug/l	99
5) Bromomethane	2.54	94	81408	27.355	ug/l	99
6) Chloroethane	2.69	64	81831	25.153	ug/l	99
7) Trichlorofluoromethane	3.00	101	159488	24.671	ug/l	99
8) Diethyl Ether	3.39	74	58382	21.452	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92388	21.691	ug/l	99
10) Methyl Iodide	3.93	142	119898	24.201	ug/l #	95
11) Tert butyl alcohol	4.76	59	99886	130.592	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87435	21.058	ug/l	92
13) Acrolein	3.59	56	78190	227.637	ug/l	98
14) Allyl chloride	4.30	41	169799	22.100	ug/l	99
15) Acrylonitrile	4.96	53	256359	118.746	ug/l	100
16) Acetone	3.80	43	264413	117.367	ug/l	98
17) Carbon Disulfide	4.03	76	269633	23.956	ug/l	98
18) Methyl Acetate	4.30	43	129051	22.611	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	306417	20.770	ug/l	97
20) Methylene Chloride	4.53	84	104571	20.536	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	96224	20.764	ug/l	94
22) Diisopropyl ether	5.93	45	339736	20.756	ug/l	96
23) Vinyl Acetate	5.87	43	1439657	115.677	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193696	21.067	ug/l	99
25) 2-Butanone	6.81	43	371666	119.167	ug/l	98
26) 2,2-Dichloropropane	6.80	77	171577	22.478	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	108688	20.166	ug/l	99
28) Bromochloromethane	7.17	49	66480	18.570	ug/l	98
29) Tetrahydrofuran	7.19	42	238863	120.087	ug/l	99
30) Chloroform	7.36	83	190752	20.563	ug/l	97
31) Cyclohexane	7.64	56	184192	20.653	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	165538	21.565	ug/l	99
36) 1,1-Dichloropropene	7.78	75	146516	21.309	ug/l	99
37) Ethyl Acetate	6.91	43	152468	25.265	ug/l	97
38) Carbon Tetrachloride	7.76	117	145134	23.078	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	169352	21.033	ug/l	98
40) Benzene	8.03	78	421510	21.339	ug/l	100
41) Methacrylonitrile	7.16	41	71254m	25.181	ug/l	
42) 1,2-Dichloroethane	8.11	62	163158	21.240	ug/l	100
43) Isopropyl Acetate	8.15	43	246706	22.073	ug/l	99
44) Trichloroethene	8.82	130	103524	21.256	ug/l	100
45) 1,2-Dichloropropane	9.11	63	113014	21.311	ug/l	96
46) Dibromomethane	9.20	93	71936	21.374	ug/l	98
47) Bromodichloromethane	9.39	83	144118	22.423	ug/l	99
48) Methyl methacrylate	9.19	41	112819	22.216	ug/l	99
49) 1,4-Dioxane	9.18	88	35014	506.858	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	756463	129.231	ug/l	98
52) Toluene	10.15	92	254921	20.466	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	164149	23.394	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	178485	23.054	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	101526	22.312	ug/l	97
56) Ethyl methacrylate	10.43	69	152466	21.925	ug/l	99
57) 1,3-Dichloropropane	10.71	76	179735	22.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	374351	130.096	ug/l	100
59) 2-Hexanone	10.75	43	576146	133.671	ug/l	98
60) Dibromochloromethane	10.90	129	108903	24.783	ug/l	99
61) 1,2-Dibromoethane	11.00	107	102737	22.007	ug/l	99
64) Tetrachloroethene	10.63	164	91202	21.450	ug/l	98
65) Chlorobenzene	11.44	112	270974	20.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99862	22.308	ug/l	98
67) Ethyl Benzene	11.51	91	496944	20.831	ug/l	100
68) m/p-Xylenes	11.62	106	367562	40.947	ug/l	98
69) o-Xylene	11.95	106	171648	19.920	ug/l	99
70) Styrene	11.97	104	284669	20.334	ug/l	99
71) Bromoform	12.13	173	71750	25.061	ug/l #	99
73) Isopropylbenzene	12.25	105	480096	20.839	ug/l	99
74) N-amyl acetate	12.07	43	210854	22.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	152525	21.985	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	141013m	24.176	ug/l	
77) Bromobenzene	12.53	156	111794	20.629	ug/l	100
78) n-propylbenzene	12.59	91	572251	21.956	ug/l	99
79) 2-Chlorotoluene	12.68	91	336288	20.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	412158	21.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49085	24.551	ug/l	94
82) 4-Chlorotoluene	12.78	91	346476	21.071	ug/l	99
83) tert-Butylbenzene	13.00	119	347028	21.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	411149	21.216	ug/l	100
85) sec-Butylbenzene	13.18	105	471208	21.859	ug/l	100
86) p-Isopropyltoluene	13.29	119	422286	22.155	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	208074	21.097	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	208494	21.284	ug/l	99
89) n-Butylbenzene	13.62	91	382510	22.022	ug/l	99
90) Hexachloroethane	13.88	117	73742	25.178	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	204960	21.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33488	26.512	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	123965	23.417	ug/l	100
94) Hexachlorobutadiene	15.01	225	65502	23.753	ug/l	99
95) Naphthalene	15.13	128	356093	25.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	119660	24.706	ug/l	99

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

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