

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058571.D
 Acq On : 7 Oct 2019 17:08
 Operator : JC/SP
 Sample : VN1007WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:42 AM

Quant Time: Oct 08 15:15:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	720795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	652600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	306842	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.57	113	222254	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.08	98	840208	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.41	95	318213	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90637	19.003	ug/l	100
3) Chloromethane	2.04	50	122847	23.427	ug/l	98
4) Vinyl Chloride	2.17	62	112963	21.991	ug/l	99
5) Bromomethane	2.54	94	55457	20.325	ug/l	95
6) Chloroethane	2.68	64	70085	22.771	ug/l	99
7) Trichlorofluoromethane	3.00	101	142119	22.926	ug/l	98
8) Diethyl Ether	3.39	74	56471	21.114	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	86968	20.658	ug/l	100
10) Methyl Iodide	3.93	142	75687	16.214	ug/l	99
11) Tert butyl alcohol	4.76	59	97011	137.374	ug/l	98
12) 1,1-Dichloroethene	3.71	96	81610	19.888	ug/l	98
13) Acrolein	3.59	56	26092	116.167	ug/l	98
14) Allyl chloride	4.30	41	164162	21.983	ug/l	95
15) Acrylonitrile	4.96	53	242844	117.993	ug/l	99
16) Acetone	3.79	43	250292	115.504	ug/l	98
17) Carbon Disulfide	4.03	76	210419	19.453	ug/l	98
18) Methyl Acetate	4.30	43	123796	22.714	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	313628	21.661	ug/l	99
20) Methylene Chloride	4.53	84	103048	20.607	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	90690	19.874	ug/l	97
22) Diisopropyl ether	5.93	45	343440	21.371	ug/l	94
23) Vinyl Acetate	5.87	43	1401224	115.641	ug/l	99
24) 1,1-Dichloroethane	5.83	63	192124	21.243	ug/l	98
25) 2-Butanone	6.81	43	337087	113.301	ug/l	99
26) 2,2-Dichloropropane	6.80	77	170638	22.950	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	110228	20.668	ug/l	99
28) Bromochloromethane	7.18	49	76191	21.075	ug/l	98
29) Tetrahydrofuran	7.19	42	215332	114.035	ug/l	99
30) Chloroform	7.36	83	193946	21.162	ug/l	100
31) Cyclohexane	7.64	56	170977	19.435	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	167210	22.218	ug/l	99
36) 1,1-Dichloropropene	7.78	75	139646	20.261	ug/l	99
37) Ethyl Acetate	6.91	43	139763	23.918	ug/l	99
38) Carbon Tetrachloride	7.76	117	140492	22.583	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	156157	19.402	ug/l	99
40) Benzene	8.03	78	408672	20.628	ug/l	99
41) Methacrylonitrile	7.15	41	58095	21.611	ug/l	96
42) 1,2-Dichloroethane	8.11	62	159538	20.699	ug/l	98
43) Isopropyl Acetate	8.15	43	232843	21.190	ug/l #	89
44) Trichloroethene	8.82	130	102672	20.988	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114868	21.619	ug/l	99
46) Dibromomethane	9.20	93	72498	21.546	ug/l	99
47) Bromodichloromethane	9.39	83	147529	23.141	ug/l	100
48) Methyl methacrylate	9.19	41	107304	21.446	ug/l	97
49) 1,4-Dioxane	9.19	88	39710	593.542	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	693363	122.842	ug/l	99
52) Toluene	10.15	92	254861	20.438	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	163429	23.552	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	177327	23.022	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	104389	22.991	ug/l	96
56) Ethyl methacrylate	10.43	69	152172	22.087	ug/l	98
57) 1,3-Dichloropropane	10.71	76	180948	22.342	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	370059	134.700	ug/l	99
59) 2-Hexanone	10.75	43	499881	121.628	ug/l	99
60) Dibromochloromethane	10.90	129	105523	22.135	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101363	21.848	ug/l	100
64) Tetrachloroethene	10.63	164	96028	23.161	ug/l	98
65) Chlorobenzene	11.43	112	269986	20.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	103539	23.690	ug/l	98
67) Ethyl Benzene	11.51	91	500869	21.317	ug/l	99
68) m/p-Xylenes	11.63	106	359137	40.625	ug/l	97
69) o-Xylene	11.95	106	176328	20.720	ug/l	98
70) Styrene	11.97	104	283525	20.508	ug/l	99
71) Bromoform	12.13	173	67474	22.724	ug/l #	99
73) Isopropylbenzene	12.25	105	478697	20.953	ug/l	99
74) N-amyl acetate	12.07	43	197258	21.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	149702	22.160	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	149162m	26.417	ug/l	
77) Bromobenzene	12.53	156	114074	21.295	ug/l	99
78) n-propylbenzene	12.60	91	558711	21.707	ug/l	100
79) 2-Chlorotoluene	12.68	91	332341	20.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	401450	20.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42228	22.714	ug/l	99
82) 4-Chlorotoluene	12.78	91	338118	20.858	ug/l	100
83) tert-Butylbenzene	13.00	119	347663	21.544	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	405853	21.182	ug/l	99
85) sec-Butylbenzene	13.18	105	456358	21.486	ug/l	99
86) p-Isopropyltoluene	13.30	119	409436	21.899	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	203370	20.937	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	199415	20.635	ug/l	99
89) n-Butylbenzene	13.62	91	359951	21.254	ug/l	100
90) Hexachloroethane	13.88	117	66947	23.832	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	201037	21.541	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29749	24.972	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	115198	22.337	ug/l	100
94) Hexachlorobutadiene	15.02	225	56498	21.314	ug/l	98
95) Naphthalene	15.13	128	318065	21.042	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	109857	21.232	ug/l	97

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

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