

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058587.D
 Acq On : 7 Oct 2019 23:02
 Operator : JC/SP
 Sample : VN1007WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:47 AM

Quant Time: Oct 08 15:48:40 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	429547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	716808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	657808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	306408	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.57	113	220162	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.08	98	840139	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	12.41	95	320718	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87331	18.542	ug/l	98
3) Chloromethane	2.04	50	122713	23.699	ug/l	100
4) Vinyl Chloride	2.17	62	115819	22.833	ug/l	97
5) Bromomethane	2.54	94	57256	21.251	ug/l	100
6) Chloroethane	2.68	64	70588	23.225	ug/l	98
7) Trichlorofluoromethane	3.00	101	142031	23.203	ug/l	99
8) Diethyl Ether	3.39	74	55804	21.129	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84595	20.349	ug/l	98
10) Methyl Iodide	3.93	142	79210	17.184	ug/l	100
11) Tert butyl alcohol	4.76	59	91046	130.562	ug/l	97
12) 1,1-Dichloroethene	3.72	96	81631	20.145	ug/l	97
13) Acrolein	3.58	56	25666	115.719	ug/l	97
14) Allyl chloride	4.30	41	159294	21.601	ug/l	94
15) Acrylonitrile	4.96	53	236920	116.574	ug/l	100
16) Acetone	3.79	43	210222	98.243	ug/l	98
17) Carbon Disulfide	4.03	76	210873	19.742	ug/l	98
18) Methyl Acetate	4.30	43	122568	22.774	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	315665	22.079	ug/l	99
20) Methylene Chloride	4.53	84	103861	21.033	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	88119	19.556	ug/l	97
22) Diisopropyl ether	5.93	45	343558	21.650	ug/l	97
23) Vinyl Acetate	5.87	43	1363663	113.969	ug/l	100
24) 1,1-Dichloroethane	5.82	63	190563	21.338	ug/l	99
25) 2-Butanone	6.81	43	313859	106.831	ug/l	97
26) 2,2-Dichloropropane	6.80	77	139225	18.962	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	108972	20.692	ug/l	99
28) Bromochloromethane	7.18	49	73798	20.672	ug/l	99
29) Tetrahydrofuran	7.19	42	211242	113.287	ug/l	99
30) Chloroform	7.36	83	193391	21.369	ug/l	98
31) Cyclohexane	7.64	56	166875	19.209	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	163496	22.000	ug/l	99
36) 1,1-Dichloropropene	7.78	75	137547	20.068	ug/l	100
37) Ethyl Acetate	6.91	43	133796	23.024	ug/l	98
38) Carbon Tetrachloride	7.76	117	139192	22.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151257	18.897	ug/l	99
40) Benzene	8.03	78	407484	20.682	ug/l	99
41) Methacrylonitrile	7.15	41	64484	24.121	ug/l	95
42) 1,2-Dichloroethane	8.11	62	161701	21.096	ug/l	100
43) Isopropyl Acetate	8.15	43	230386	21.083	ug/l #	89
44) Trichloroethene	8.82	130	101929	20.952	ug/l	98
45) 1,2-Dichloropropane	9.11	63	116472	22.043	ug/l	97
46) Dibromomethane	9.20	93	70642	21.111	ug/l	98
47) Bromodichloromethane	9.39	83	146713	23.141	ug/l	98
48) Methyl methacrylate	9.19	41	106183	21.340	ug/l	96
49) 1,4-Dioxane	9.19	88	36696	551.542	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	674175	120.107	ug/l	99
52) Toluene	10.15	92	254959	20.560	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	159967	23.181	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	172389	22.505	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	103714	22.969	ug/l	98
56) Ethyl methacrylate	10.43	69	154689	22.577	ug/l	97
57) 1,3-Dichloropropane	10.71	76	181500	22.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	361561	132.339	ug/l	100
59) 2-Hexanone	10.75	43	474491	116.092	ug/l	98
60) Dibromochloromethane	10.90	129	105965	22.356	ug/l	98
61) 1,2-Dibromoethane	11.00	107	102466	22.209	ug/l	99
64) Tetrachloroethene	10.63	164	91310	21.848	ug/l	98
65) Chlorobenzene	11.43	112	270559	20.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	101750	23.096	ug/l	99
67) Ethyl Benzene	11.51	91	498524	21.049	ug/l	98
68) m/p-Xylenes	11.63	106	362469	40.677	ug/l	98
69) o-Xylene	11.95	106	178309	20.787	ug/l	98
70) Styrene	11.97	104	287775	20.651	ug/l	99
71) Bromoform	12.13	173	68995	23.042	ug/l #	99
73) Isopropylbenzene	12.25	105	479468	20.590	ug/l	99
74) N-amyl acetate	12.07	43	198028	21.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	149374	21.693	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	142169m	24.703	ug/l	
77) Bromobenzene	12.53	156	116280	21.297	ug/l	100
78) n-propylbenzene	12.60	91	555121	21.160	ug/l	100
79) 2-Chlorotoluene	12.68	91	339103	20.942	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	407695	20.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40173	21.200	ug/l	98
82) 4-Chlorotoluene	12.78	91	339949	20.574	ug/l	99
83) tert-Butylbenzene	13.00	119	343463	20.881	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	410083	20.998	ug/l	98
85) sec-Butylbenzene	13.18	105	459327	21.217	ug/l	99
86) p-Isopropyltoluene	13.30	119	411752	21.607	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	205308	20.737	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	204176	20.728	ug/l	99
89) n-Butylbenzene	13.62	91	359506	20.826	ug/l	99
90) Hexachloroethane	13.88	117	68276	23.846	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	204429	21.490	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	29214	24.059	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	120268	22.879	ug/l	99
94) Hexachlorobutadiene	15.02	225	58169	21.529	ug/l	99
95) Naphthalene	15.13	128	347294	22.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	115151	21.835	ug/l	99

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

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