

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058461.D
 Acq On : 1 Oct 2019 13:40
 Operator : JC/SP
 Sample : VN1001WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:35:51 PM

Quant Time: Oct 02 07:00:17 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	377235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	652603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	300410	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	7.57	113	212749	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.09	98	831140	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.41	95	292526	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	87078	21.052	ug/l	98
3) Chloromethane	2.04	50	97345	21.407	ug/l	97
4) Vinyl Chloride	2.17	62	98982	22.220	ug/l	99
5) Bromomethane	2.55	94	34917	14.757	ug/l	94
6) Chloroethane	2.69	64	60913	22.821	ug/l	97
7) Trichlorofluoromethane	3.00	101	115120	21.414	ug/l	100
8) Diethyl Ether	3.39	74	50879	21.936	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78922	21.617	ug/l	98
10) Methyl Iodide	3.93	142	46697	11.535	ug/l	99
11) Tert butyl alcohol	4.76	59	75329	123.003	ug/l	100
12) 1,1-Dichloroethene	3.72	96	74686	20.987	ug/l	98
13) Acrolein	3.59	56	23777	122.068	ug/l	99
14) Allyl chloride	4.30	41	136230	21.036	ug/l	99
15) Acrylonitrile	4.96	53	211243	118.354	ug/l	99
16) Acetone	3.79	43	208998	111.215	ug/l	99
17) Carbon Disulfide	4.03	76	196290	20.925	ug/l	97
18) Methyl Acetate	4.30	43	100862	21.340	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	269087	21.431	ug/l	98
20) Methylene Chloride	4.53	84	91223	21.035	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	84340	21.313	ug/l	97
22) Diisopropyl ether	5.93	45	296481	21.274	ug/l	96
23) Vinyl Acetate	5.87	43	1228529	116.913	ug/l	99
24) 1,1-Dichloroethane	5.83	63	170176	21.697	ug/l	100
25) 2-Butanone	6.82	43	295477	114.521	ug/l	97
26) 2,2-Dichloropropane	6.81	77	132511	20.551	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98811	21.364	ug/l	100
28) Bromochloromethane	7.18	49	66035	21.063	ug/l	99
29) Tetrahydrofuran	7.19	42	190212	116.155	ug/l	100
30) Chloroform	7.36	83	173477	21.827	ug/l	99
31) Cyclohexane	7.64	56	160293	21.010	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	142705	21.865	ug/l	98
36) 1,1-Dichloropropene	7.78	75	128761	20.634	ug/l	100
37) Ethyl Acetate	6.91	43	125700	23.759	ug/l	99
38) Carbon Tetrachloride	7.76	117	119469	21.210	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	147763	20.277	ug/l	96
40) Benzene	8.03	78	380477	21.212	ug/l	97
41) Methacrylonitrile	7.15	41	55318m	22.728	ug/l	
42) 1,2-Dichloroethane	8.11	62	146777	21.033	ug/l	99
43) Isopropyl Acetate	8.15	43	205768	20.683	ug/l	100
44) Trichloroethene	8.82	130	92779	20.948	ug/l	95
45) 1,2-Dichloropropane	9.11	63	102356	21.277	ug/l	96
46) Dibromomethane	9.20	93	66485	21.823	ug/l	96
47) Bromodichloromethane	9.40	83	127913	22.160	ug/l	98
48) Methyl methacrylate	9.19	41	96305	21.259	ug/l	99
49) 1,4-Dioxane	9.19	88	34145	563.691	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	616951	120.726	ug/l	99
52) Toluene	10.15	92	229599	20.336	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	132910	21.155	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	150441	21.572	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	90564	22.030	ug/l	98
56) Ethyl methacrylate	10.43	69	134569	21.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	159931	21.811	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	272251	109.454	ug/l	100
59) 2-Hexanone	10.75	43	446592	120.016	ug/l	99
60) Dibromochloromethane	10.90	129	85191	19.676	ug/l	97
61) 1,2-Dibromoethane	11.00	107	89860	21.392	ug/l	99
64) Tetrachloroethene	10.63	164	75895	20.301	ug/l	99
65) Chlorobenzene	11.44	112	243193	20.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84032	21.323	ug/l	98
67) Ethyl Benzene	11.51	91	452247	21.347	ug/l	98
68) m/p-Xylenes	11.62	106	330335	41.442	ug/l	99
69) o-Xylene	11.95	106	157684	20.550	ug/l	98
70) Styrene	11.97	104	265611	21.308	ug/l	100
71) Bromoform	12.13	173	52463	19.691	ug/l #	100
73) Isopropylbenzene	12.25	105	431065	21.353	ug/l	100
74) N-amyl acetate	12.08	43	169367	21.088	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	135027	22.619	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	118173m	23.684	ug/l	
77) Bromobenzene	12.53	156	97163	20.526	ug/l	94
78) n-propylbenzene	12.60	91	504754	22.193	ug/l	100
79) 2-Chlorotoluene	12.68	91	293896	20.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	359344	21.264	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	32120	19.552	ug/l	93
82) 4-Chlorotoluene	12.78	91	296234	20.680	ug/l	99
83) tert-Butylbenzene	13.00	119	307622	21.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	359171	21.213	ug/l	98
85) sec-Butylbenzene	13.18	105	413048	22.007	ug/l	99
86) p-Isopropyltoluene	13.30	119	364013	22.033	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	176953	20.616	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	175817	20.588	ug/l	99
89) n-Butylbenzene	13.62	91	324941	21.712	ug/l	99
90) Hexachloroethane	13.88	117	52715	21.237	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	176236	21.369	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24068	22.863	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	95944	21.053	ug/l	99
94) Hexachlorobutadiene	15.02	225	49075	20.951	ug/l	98
95) Naphthalene	15.14	128	265599	19.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	93065	20.354	ug/l	99

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

