

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058593.D
 Acq On : 8 Oct 2019 1:14
 Operator : JC/SP
 Sample : K5197-05MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-28B_100219MSD

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:58 AM

Quant Time: Oct 08 16:02:10 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	444161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	327973	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	311379	47.97	ug/l	0.00
Spiked Amount						
			Recovery	=	95.94%	
35) Dibromofluoromethane	7.57	113	229649	49.90	ug/l	0.00
Spiked Amount						
			Recovery	=	99.80%	
50) Toluene-d8	10.08	98	879299	48.78	ug/l	0.00
Spiked Amount						
			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.41	95	334092	51.26	ug/l	0.00
Spiked Amount						
			Recovery	=	102.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	214663	44.077	ug/l	98
3) Chloromethane	2.04	50	300700	56.161	ug/l	99
4) Vinyl Chloride	2.17	62	289824	55.257	ug/l	100
5) Bromomethane	2.54	94	140683	50.497	ug/l	100
6) Chloroethane	2.68	64	177115	56.357	ug/l	98
7) Trichlorofluoromethane	3.00	101	355138	56.108	ug/l	98
8) Diethyl Ether	3.39	74	140094	51.298	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	204537	47.582	ug/l	99
10) Methyl Iodide	3.93	142	216479	45.418	ug/l	99
11) Tert butyl alcohol	4.76	59	225631	312.914	ug/l	98
12) 1,1-Dichloroethene	3.71	96	205043	48.936	ug/l	99
13) Acrolein	3.58	56	71163	310.293	ug/l	98
14) Allyl chloride	4.30	41	393726	51.636	ug/l	93
15) Acrylonitrile	4.96	53	600927	285.952	ug/l	99
16) Acetone	3.79	43	526883	238.127	ug/l	99
17) Carbon Disulfide	4.03	76	540511	48.938	ug/l	99
18) Methyl Acetate	4.30	43	280574	50.418	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	798577	54.017	ug/l	100
20) Methylene Chloride	4.53	84	252451	49.441	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	225720	48.445	ug/l	98
22) Diisopropyl ether	5.93	45	859255	52.366	ug/l	99
23) Vinyl Acetate	5.87	43	3284585	265.478	ug/l	99
24) 1,1-Dichloroethane	5.82	63	477651	51.724	ug/l	99
25) 2-Butanone	6.81	43	786236	258.813	ug/l	99
26) 2,2-Dichloropropane	6.80	77	297357	39.167	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	276697	50.811	ug/l	97
28) Bromochloromethane	7.18	49	193566	52.437	ug/l	100
29) Tetrahydrofuran	7.19	42	522310	270.894	ug/l	99
30) Chloroform	7.36	83	478400	51.123	ug/l	100
31) Cyclohexane	7.64	56	402360	44.792	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	412224	53.643	ug/l	98
36) 1,1-Dichloropropene	7.78	75	347817	48.447	ug/l	100
37) Ethyl Acetate	6.91	43	318051	52.252	ug/l	99
38) Carbon Tetrachloride	7.76	117	350796	54.132	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	375259	44.759	ug/l	99
40) Benzene	8.03	78	1035875	50.195	ug/l	100
41) Methacrylonitrile	7.15	41	165058	58.944	ug/l	93
42) 1,2-Dichloroethane	8.11	62	399317	49.735	ug/l	100
43) Isopropyl Acetate	8.15	43	567801	49.606	ug/l #	89
44) Trichloroethene	8.82	130	292260	57.355	ug/l	96
45) 1,2-Dichloropropane	9.11	63	286541	51.772	ug/l	99
46) Dibromomethane	9.20	93	178522	50.933	ug/l	99
47) Bromodichloromethane	9.39	83	377049	56.777	ug/l	99
48) Methyl methacrylate	9.19	41	278091	53.356	ug/l	95
49) 1,4-Dioxane	9.19	88	94513	1356.175	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1705805	290.128	ug/l	100
52) Toluene	10.15	92	640481	49.308	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	402877	55.737	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	427985	53.341	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	257318	54.405	ug/l	98
56) Ethyl methacrylate	10.43	69	397327	55.362	ug/l	96
57) 1,3-Dichloropropane	10.71	76	447972	53.100	ug/l	99
59) 2-Hexanone	10.75	43	1232218	287.823	ug/l	100
60) Dibromochloromethane	10.90	129	278672	56.975	ug/l	99
61) 1,2-Dibromoethane	11.00	107	257615	53.306	ug/l	99
64) Tetrachloroethene	10.63	164	2394868	551.177	ug/l	97
65) Chlorobenzene	11.44	112	687170	50.549	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	260180	56.805	ug/l	100
67) Ethyl Benzene	11.51	91	1262406	51.269	ug/l	100
68) m/p-Xylenes	11.62	106	922257	99.550	ug/l	99
69) o-Xylene	11.95	106	449725	50.428	ug/l	99
70) Stvrene	11.97	104	750785	51.821	ug/l	99
71) Bromoform	12.13	173	184564	58.194	ug/l #	100
73) Isopropylbenzene	12.25	105	1220508	50.355	ug/l	99
74) N-amyl acetate	12.07	43	493345	51.163	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	376401	52.517	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	358417m	59.831	ug/l	
77) Bromobenzene	12.53	156	291692	51.325	ug/l	98
78) n-propylbenzene	12.60	91	1412040	51.710	ug/l	99
79) 2-Chlorotoluene	12.68	91	845890	50.187	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1036209	51.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107000	54.248	ug/l	94
82) 4-Chlorotoluene	12.78	91	877813	51.040	ug/l	99
83) tert-Butylbenzene	13.00	119	877767	51.269	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1046563	51.483	ug/l	99
85) sec-Butylbenzene	13.18	105	1159393	51.450	ug/l	99
86) p-Isopropyltoluene	13.30	119	1034832	52.170	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	523009	50.751	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	516430	50.368	ug/l	99
89) n-Butylbenzene	13.62	91	905983	50.422	ug/l	100
90) Hexachloroethane	13.88	117	181439	60.880	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	518951	52.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74777	59.164	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	300126	54.852	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	140129	49.827	ug/l	98
95) Naphthalene	15.13	128	869182	54.246	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	287928	52.489	ug/l	99

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

