

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058860.D
 Acq On : 18 Oct 2019 16:04
 Operator : JC/SP
 Sample : VN1018WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:05 AM

Quant Time: Oct 21 08:12:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	389732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	635178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	290793	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.57	113	206133	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.08	98	805589	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	287981	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	99973	20.574	ug/l	99
3) Chloromethane	2.04	50	118475	19.686	ug/l	99
4) Vinyl Chloride	2.17	62	117023	19.584	ug/l	96
5) Bromomethane	2.55	94	73836	19.732	ug/l	100
6) Chloroethane	2.69	64	75615	19.733	ug/l	99
7) Trichlorofluoromethane	3.00	101	144921	19.601	ug/l	99
8) Diethyl Ether	3.39	74	51131	20.012	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80300	19.591	ug/l	99
10) Methyl Iodide	3.93	142	104292	19.346	ug/l	99
11) Tert butyl alcohol	4.75	59	86239	90.917	ug/l	99
12) 1,1-Dichloroethene	3.72	96	77521	20.177	ug/l	99
13) Acrolein	3.59	56	66073	101.377	ug/l	97
14) Allyl chloride	4.30	41	151704	19.513	ug/l	99
15) Acrylonitrile	4.96	53	232445	97.421	ug/l	99
16) Acetone	3.79	43	216802	76.757	ug/l	100
17) Carbon Disulfide	4.03	76	239618	19.361	ug/l	100
18) Methyl Acetate	4.30	43	119949	18.679	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	271562	20.186	ug/l	97
20) Methylene Chloride	4.53	84	91964	19.068	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	85452	20.140	ug/l	93
22) Diisopropyl ether	5.93	45	308156	20.265	ug/l	97
23) Vinyl Acetate	5.87	43	1276856	104.511	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173328	19.657	ug/l	98
25) 2-Butanone	6.81	43	324054	88.382	ug/l	99
26) 2,2-Dichloropropane	6.81	77	141194	18.513	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	97666	20.150	ug/l	99
28) Bromochloromethane	7.18	49	58151	19.802	ug/l	98
29) Tetrahydrofuran	7.19	42	217308	96.885	ug/l	100
30) Chloroform	7.36	83	171197	19.356	ug/l	99
31) Cyclohexane	7.63	56	157752	19.204	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	147517	19.787	ug/l	98
36) 1,1-Dichloropropene	7.78	75	126303	19.423	ug/l	100
37) Ethyl Acetate	6.91	43	136175	19.218	ug/l	98
38) Carbon Tetrachloride	7.75	117	129814	19.377	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	141332	19.356	ug/l	97
40) Benzene	8.02	78	373828	19.577	ug/l	100
41) Methacrylonitrile	7.16	41	65165m	20.649	ug/l	
42) 1,2-Dichloroethane	8.11	62	145854	19.828	ug/l	99
43) Isopropyl Acetate	8.15	43	220018	19.361	ug/l	99
44) Trichloroethene	8.82	130	91713	19.716	ug/l	98
45) 1,2-Dichloropropane	9.11	63	103261	19.720	ug/l	98
46) Dibromomethane	9.20	93	66147	19.982	ug/l	96
47) Bromodichloromethane	9.39	83	133406	19.553	ug/l	99
48) Methyl methacrylate	9.19	41	98941	19.190	ug/l	97
49) 1,4-Dioxane	9.19	88	30933	365.481	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	685957	103.345	ug/l	99
52) Toluene	10.15	92	231973	20.485	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	146240	19.362	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	156534	19.399	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89615	19.210	ug/l	98
56) Ethyl methacrylate	10.43	69	135202	18.627	ug/l	98
57) 1,3-Dichloropropane	10.70	76	159974	19.539	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	297444	93.517	ug/l	99
59) 2-Hexanone	10.75	43	494336	96.379	ug/l	100
60) Dibromochloromethane	10.90	129	98675	19.652	ug/l	98
61) 1,2-Dibromoethane	11.00	107	92229	19.319	ug/l	99
64) Tetrachloroethene	10.63	164	80914	19.398	ug/l	98
65) Chlorobenzene	11.43	112	240639	19.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91508	19.999	ug/l	98
67) Ethyl Benzene	11.51	91	432830	20.348	ug/l	99
68) m/p-Xylenes	11.62	106	323104	40.959	ug/l	100
69) o-Xylene	11.95	106	150590	20.016	ug/l	100
70) Styrene	11.97	104	248001	18.960	ug/l	100
71) Bromoform	12.13	173	65154	18.362	ug/l #	100
73) Isopropylbenzene	12.25	105	416479	20.561	ug/l	99
74) N-amyl acetate	12.07	43	183715	20.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	142603	20.022	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	119447m	18.595	ug/l	
77) Bromobenzene	12.53	156	101120	20.254	ug/l	97
78) n-propylbenzene	12.59	91	495683	20.703	ug/l	99
79) 2-Chlorotoluene	12.68	91	291556	19.896	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	355088	20.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44157	17.908	ug/l	94
82) 4-Chlorotoluene	12.78	91	300582	20.072	ug/l	99
83) tert-Butylbenzene	13.00	119	297168	20.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	356206	21.220	ug/l	99
85) sec-Butylbenzene	13.17	105	402864	20.763	ug/l	98
86) p-Isopropyltoluene	13.29	119	355193	20.747	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	178320	19.975	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173852	19.451	ug/l	98
89) n-Butylbenzene	13.62	91	314087	19.972	ug/l	99
90) Hexachloroethane	13.88	117	66869	19.276	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	176880	20.159	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29619	18.386	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	94822	18.822	ug/l	99
94) Hexachlorobutadiene	15.01	225	54178	19.051	ug/l	98
95) Naphthalene	15.13	128	257369	17.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	92803	18.826	ug/l	99

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

