

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063611.D
 Acq On : 24 Sep 2020 1:17
 Operator : JC/MD
 Sample : VN0923WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:38:24 PM

Quant Time: Sep 24 05:25:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	236500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	386465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182518	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	202040	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.55	113	145305	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.06	98	538532	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	197723	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	49798	18.586	ug/l	98
3) Chloromethane	2.04	50	61519	17.356	ug/l	99
4) Vinyl Chloride	2.17	62	61271	19.511	ug/l	95
5) Bromomethane	2.54	94	39888	21.393	ug/l	98
6) Chloroethane	2.68	64	38473	19.958	ug/l	89
7) Trichlorofluoromethane	2.99	101	97685	20.849	ug/l	98
8) Diethyl Ether	3.38	74	35636	19.511	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51277	19.460	ug/l	97
10) Methyl Iodide	3.91	142	61899	18.044	ug/l	98
11) Tert butyl alcohol	4.73	59	48459	86.887	ug/l	98
12) 1,1-Dichloroethene	3.70	96	50862	19.058	ug/l	96
13) Acrolein	3.57	56	15843	76.653	ug/l	95
14) Allyl chloride	4.28	41	92712	17.562	ug/l	98
15) Acrylonitrile	4.93	53	140491	99.031	ug/l	98
16) Acetone	3.78	43	123569	95.505	ug/l	100
17) Carbon Disulfide	4.01	76	135124	17.406	ug/l	100
18) Methyl Acetate	4.28	43	68064	20.722	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	186537	18.753	ug/l	100
20) Methylene Chloride	4.51	84	62666	19.117	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	55052	18.618	ug/l	96
22) Diisopropyl ether	5.90	45	209900	19.496	ug/l	98
23) Vinyl Acetate	5.85	43	836485	94.601	ug/l	99
24) 1,1-Dichloroethane	5.80	63	114306	19.446	ug/l	98
25) 2-Butanone	6.79	43	193041	97.010	ug/l	99
26) 2,2-Dichloropropane	6.77	77	74205	14.338	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	67092	20.046	ug/l	96
28) Bromochloromethane	7.15	49	48279	17.788	ug/l	94
29) Tetrahydrofuran	7.17	42	125854	92.604	ug/l	97
30) Chloroform	7.33	83	118287	20.057	ug/l	99
31) Cyclohexane	7.61	56	94006	16.907	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	102104	19.466	ug/l	99
36) 1,1-Dichloropropene	7.76	75	82057	18.377	ug/l	98
37) Ethyl Acetate	6.88	43	85701	19.556	ug/l	100
38) Carbon Tetrachloride	7.74	117	88433	19.402	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79574	16.420	ug/l	95
40) Benzene	8.00	78	245150	19.233	ug/l	100
41) Methacrylonitrile	7.14	41	36799m	18.670	ug/l	
42) 1,2-Dichloroethane	8.09	62	101670	19.835	ug/l	98
43) Isopropyl Acetate	8.13	43	140154	17.886	ug/l	100
44) Trichloroethene	8.80	130	60700	19.634	ug/l	98
45) 1,2-Dichloropropane	9.08	63	69285	19.958	ug/l	98
46) Dibromomethane	9.18	93	46266	20.277	ug/l	96
47) Bromodichloromethane	9.37	83	91495	19.302	ug/l	97
48) Methyl methacrylate	9.17	41	69892	18.154	ug/l	97
49) 1,4-Dioxane	9.17	88	19667	355.976	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	430536	98.142	ug/l	99
52) Toluene	10.13	92	153337	20.009	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	94561	17.869	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	101956	18.266	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	62215	20.439	ug/l	96
56) Ethyl methacrylate	10.40	69	88873	18.702	ug/l	98
57) 1,3-Dichloropropane	10.68	76	107981	19.671	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	238248	95.575	ug/l	98
59) 2-Hexanone	10.72	43	309755	97.463	ug/l	99
60) Dibromochloromethane	10.87	129	67077	19.506	ug/l	100
61) 1,2-Dibromoethane	10.98	107	62255	19.686	ug/l	97
64) Tetrachloroethene	10.60	164	56601	21.509	ug/l	99
65) Chlorobenzene	11.41	112	158931	19.373	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	60470	20.109	ug/l	99
67) Ethyl Benzene	11.49	91	288726	18.689	ug/l	99
68) m/p-Xylenes	11.59	106	212072	38.073	ug/l	99
69) o-Xylene	11.92	106	102777	19.370	ug/l	99
70) Styrene	11.94	104	172956	19.437	ug/l	99
71) Bromoform	12.10	173	42703	19.062	ug/l #	98
73) Isopropylbenzene	12.23	105	276860	18.929	ug/l	100
74) N-amyl acetate	12.05	43	123059	17.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	90171	19.911	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	84939m	18.802	ug/l	
77) Bromobenzene	12.50	156	66233	20.132	ug/l	96
78) n-propylbenzene	12.57	91	323278	18.977	ug/l	99
79) 2-Chlorotoluene	12.65	91	193741	18.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	234905	19.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	25405	15.418	ug/l	92
82) 4-Chlorotoluene	12.75	91	203976	18.905	ug/l	100
83) tert-Butylbenzene	12.97	119	189900	18.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	236689	19.213	ug/l	100
85) sec-Butylbenzene	13.15	105	248209	18.421	ug/l	100
86) p-Isopropyltoluene	13.26	119	212888	17.913	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	119357	19.573	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	119868	19.334	ug/l	99
89) n-Butylbenzene	13.59	91	189195	17.271	ug/l	99
90) Hexachloroethane	13.85	117	39359	17.393	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	117431	19.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19465	18.050	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	61754	17.497	ug/l	99
94) Hexachlorobutadiene	14.98	225	28719	19.655	ug/l	97
95) Naphthalene	15.11	128	202664	17.380	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	61185	17.942	ug/l	96

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

