

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064675.D
 Acq On : 17 Nov 2020 13:06
 Operator : JC/MD
 Sample : VN1117WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:15:13 PM

Quant Time: Nov 18 02:14:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	268637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	461236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	436207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197154	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	230256	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.54	113	162100	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.06	98	593239	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.37	95	215237	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	58303	16.672	ug/l	98
3) Chloromethane	2.04	50	61984	14.593	ug/l	96
4) Vinyl Chloride	2.17	62	71617	16.419	ug/l	95
5) Bromomethane	2.54	94	49919	17.914	ug/l	98
6) Chloroethane	2.68	64	48535	17.380	ug/l	99
7) Trichlorofluoromethane	2.99	101	123713	19.261	ug/l	99
8) Diethyl Ether	3.37	74	44088	19.438	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57064	18.709	ug/l #	73
10) Methyl Iodide	3.91	142	57281	16.163	ug/l	99
11) Tert butyl alcohol	4.73	59	45919	88.986	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	49116	17.096	ug/l	98
13) Acrolein	3.56	56	20367	63.630	ug/l	93
14) Allyl chloride	4.27	41	88448	15.738	ug/l	94
15) Acrylonitrile	4.94	53	128835	89.676	ug/l	99
16) Acetone	3.78	43	137964	77.403	ug/l	99
17) Carbon Disulfide	4.01	76	140365	16.337	ug/l	99
18) Methyl Acetate	4.28	43	67618	19.296	ug/l #	81
19) Methyl tert-butyl Ether	4.99	73	179725	17.381	ug/l	97
20) Methylene Chloride	4.50	84	64904	18.353	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	57986	17.776	ug/l	95
22) Diisopropyl ether	5.90	45	202261	16.954	ug/l	99
23) Vinyl Acetate	5.84	43	801393	82.574	ug/l	98
24) 1,1-Dichloroethane	5.79	63	115948	17.687	ug/l	99
25) 2-Butanone	6.78	43	185044	81.480	ug/l	96
26) 2,2-Dichloropropane	6.77	77	108451	18.275	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	64789	17.140	ug/l	98
28) Bromochloromethane	7.14	49	55744	17.299	ug/l	96
29) Tetrahydrofuran	7.16	42	117810	84.552	ug/l	100
30) Chloroform	7.33	83	128889	18.704	ug/l	98
31) Cyclohexane	7.61	56	89332	15.705	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	113334	18.543	ug/l	99
36) 1,1-Dichloropropene	7.75	75	87071	17.869	ug/l	99
37) Ethyl Acetate	6.88	43	83024	17.294	ug/l	99
38) Carbon Tetrachloride	7.73	117	101926	19.572	ug/l	98

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

39) Methylcyclohexane	9.04	83	74412	17.036	ug/l	98
40) Benzene	8.00	78	251634	17.574	ug/l	100
41) Methacrylonitrile	7.14	41	43703m	20.230	ug/l	
42) 1,2-Dichloroethane	8.08	62	110531	19.129	ug/l	99
43) Isopropyl Acetate	8.13	43	137145	17.368	ug/l	98
44) Trichloroethene	8.80	130	62795	17.383	ug/l	99
45) 1,2-Dichloropropane	9.08	63	68303	17.878	ug/l	98
46) Dibromomethane	9.17	93	49242	19.580	ug/l	98
47) Bromodichloromethane	9.37	83	104149	19.259	ug/l	99
48) Methyl methacrylate	9.16	41	64511	16.190	ug/l	93
49) 1,4-Dioxane	9.16	88	18632	355.011	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	410199	89.076	ug/l	98
52) Toluene	10.12	92	157512	18.037	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	106855	18.638	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	109766	17.907	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	67181	19.725	ug/l	97
56) Ethyl methacrylate	10.40	69	82429	16.010	ug/l	96
57) 1,3-Dichloropropane	10.68	76	109251	18.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	216035	96.100	ug/l	97
59) 2-Hexanone	10.72	43	287035	79.235	ug/l	99
60) Dibromochloromethane	10.87	129	74289	19.482	ug/l	98
61) 1,2-Dibromoethane	10.97	107	66657	19.295	ug/l	95
64) Tetrachloroethene	10.60	164	61752	18.378	ug/l	96
65) Chlorobenzene	11.40	112	167798	17.547	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	68337	19.156	ug/l	99
67) Ethyl Benzene	11.48	91	289283	17.007	ug/l	99
68) m/p-Xylenes	11.59	106	215822	34.987	ug/l	97
69) o-Xylene	11.92	106	102116	17.131	ug/l	97
70) Styrene	11.94	104	174339	17.381	ug/l	98
71) Bromoform	12.10	173	46427	18.165	ug/l #	99
73) Isopropylbenzene	12.22	105	267203	17.051	ug/l	100
74) N-amyl acetate	12.04	43	109424	15.262	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	87290	18.136	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	86497m	18.107	ug/l	
77) Bromobenzene	12.50	156	69231	18.096	ug/l	95
78) n-propylbenzene	12.56	91	313531	17.550	ug/l	99
79) 2-Chlorotoluene	12.65	91	198525	17.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	231638	17.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	26813	15.672	ug/l	86
82) 4-Chlorotoluene	12.75	91	210454	17.735	ug/l	100
83) tert-Butylbenzene	12.96	119	178125	17.642	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	233921	18.000	ug/l	100
85) sec-Butylbenzene	13.14	105	243182	19.018	ug/l	99
86) p-Isopropyltoluene	13.26	119	215569	18.742	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	119683	18.097	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	119062	17.421	ug/l	99
89) n-Butylbenzene	13.59	91	184288	18.635	ug/l	97
90) Hexachloroethane	13.85	117	42984	19.373	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	118489	18.626	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17057	17.799	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	46941	16.711	ug/l	96
94) Hexachlorobutadiene	14.98	225	29851	23.047	ug/l	99
95) Naphthalene	15.10	128	131018	14.861	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	48619	17.779	ug/l	99

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

