

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101320\
 Data File : VN064101.D
 Acq On : 13 Oct 2020 15:10
 Operator : JC/MD
 Sample : VN1013WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:09:12 PM

Quant Time: Oct 14 04:05:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	236976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	186007	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.55	113	131240	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.06	98	484796	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.38	95	172451	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	37353	14.938	ug/l	100
3) Chloromethane	2.04	50	48790	16.629	ug/l	97
4) Vinyl Chloride	2.16	62	48517	16.474	ug/l	96
5) Bromomethane	2.53	94	33389	18.024	ug/l	93
6) Chloroethane	2.67	64	31046	17.641	ug/l	97
7) Trichlorofluoromethane	2.98	101	78154	16.732	ug/l	93
8) Diethyl Ether	3.37	74	31446	19.907	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44938	18.000	ug/l	95
10) Methyl Iodide	3.91	142	52001	17.939	ug/l	98
11) Tert butyl alcohol	4.72	59	54819	126.828	ug/l	97
12) 1,1-Dichloroethene	3.69	96	40237	16.862	ug/l	93
13) Acrolein	3.57	56	17619	66.417	ug/l	99
14) Allyl chloride	4.28	41	82219	18.546	ug/l	96
15) Acrylonitrile	4.93	53	141301	114.207	ug/l	99
16) Acetone	3.78	43	132318	109.792	ug/l	98
17) Carbon Disulfide	4.01	76	103988	16.597	ug/l	100
18) Methyl Acetate	4.28	43	77407	24.738	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	173451	20.007	ug/l	97
20) Methylene Chloride	4.50	84	56071	20.371	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	47454	17.754	ug/l	92
22) Diisopropyl ether	5.90	45	197205	21.620	ug/l	97
23) Vinyl Acetate	5.84	43	781123	103.383	ug/l	100
24) 1,1-Dichloroethane	5.79	63	102393	19.633	ug/l	99
25) 2-Butanone	6.78	43	202343	118.424	ug/l	99
26) 2,2-Dichloropropane	6.77	77	83980	17.584	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	57182	18.601	ug/l	99
28) Bromochloromethane	7.15	49	52574	20.396	ug/l	99
29) Tetrahydrofuran	7.16	42	136982	119.534	ug/l	95
30) Chloroform	7.32	83	104765	19.266	ug/l	95
31) Cyclohexane	7.61	56	79258	17.438	ug/l	# 93
32) 1,1,1-Trichloroethane	7.53	97	91070	18.567	ug/l	97
36) 1,1-Dichloropropene	7.75	75	70642	18.031	ug/l	98
37) Ethyl Acetate	6.88	43	78477	20.161	ug/l	100
38) Carbon Tetrachloride	7.73	117	75825	17.259	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	62368	15.963	ug/l	95
40) Benzene	8.00	78	213298	19.061	ug/l	98
41) Methacrylonitrile	7.12	41	31076	17.963	ug/l #	72
42) 1,2-Dichloroethane	8.09	62	90943	19.039	ug/l	98
43) Isopropyl Acetate	8.13	43	138463	21.566	ug/l #	91
44) Trichloroethene	8.80	130	52614	17.945	ug/l	97
45) 1,2-Dichloropropane	9.08	63	60856	20.137	ug/l	98
46) Dibromomethane	9.17	93	40879	19.608	ug/l	96
47) Bromodichloromethane	9.37	83	82465	19.192	ug/l	96
48) Methyl methacrylate	9.16	41	65631	20.690	ug/l	95
49) 1,4-Dioxane	9.17	88	21565	478.347	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	431564	114.540	ug/l	99
52) Toluene	10.12	92	134088	19.372	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	87809	19.065	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	93894	19.493	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	55146	19.867	ug/l	98
56) Ethyl methacrylate	10.40	69	78050	19.837	ug/l	95
57) 1,3-Dichloropropane	10.68	76	93434	19.896	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	223453	106.171	ug/l	99
59) 2-Hexanone	10.72	43	309604	110.614	ug/l	100
60) Dibromochloromethane	10.87	129	60971	18.861	ug/l	99
61) 1,2-Dibromoethane	10.98	107	57935	20.404	ug/l	100
64) Tetrachloroethene	10.60	164	48194	17.122	ug/l	98
65) Chlorobenzene	11.41	112	141507	18.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	56002	19.574	ug/l	98
67) Ethyl Benzene	11.48	91	243216	17.910	ug/l	99
68) m/p-Xylenes	11.59	106	181835	35.928	ug/l	100
69) o-Xylene	11.92	106	86210	18.224	ug/l	99
70) Styrene	11.94	104	145717	18.147	ug/l	99
71) Bromoform	12.10	173	40710	18.605	ug/l #	98
73) Isopropylbenzene	12.23	105	229302	19.479	ug/l	100
74) N-amyl acetate	12.04	43	107542	21.000	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	81102	22.530	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	77869m	21.888	ug/l	
77) Bromobenzene	12.50	156	57207	19.805	ug/l	94
78) n-propylbenzene	12.57	91	259878	18.969	ug/l	99
79) 2-Chlorotoluene	12.65	91	168485	19.997	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	192505	19.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	26111	21.138	ug/l	98
82) 4-Chlorotoluene	12.75	91	174032	19.897	ug/l	98
83) tert-Butylbenzene	12.97	119	153216	18.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	191770	19.449	ug/l	98
85) sec-Butylbenzene	13.15	105	200542	18.901	ug/l	99
86) p-Isopropyltoluene	13.26	119	177328	18.892	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101488	19.421	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	97784	17.972	ug/l	97
89) n-Butylbenzene	13.59	91	142520	16.451	ug/l	98
90) Hexachloroethane	13.85	117	36494	20.064	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	101766	19.662	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17579	20.823	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	42209	16.213	ug/l	98
94) Hexachlorobutadiene	14.98	225	27221	19.438	ug/l	96
95) Naphthalene	15.11	128	122362	15.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	42137	16.520	ug/l	99

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

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