

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032020\
 Data File : VN060648.D
 Acq On : 20 Mar 2020 13:23
 Operator : JC/MD
 Sample : VN0320WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:42:13 PM

Quant Time: Mar 21 04:23:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139268	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	129912	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.56	113	96136	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.08	98	386239	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	140309	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	37137	19.63	ug/l	99
3) Chloromethane	2.04	50	62485	17.69	ug/l	99
4) Vinyl Chloride	2.16	62	50285	18.20	ug/l	98
5) Bromomethane	2.55	94	24160	20.26	ug/l	96
6) Chloroethane	2.68	64	29890	18.78	ug/l	100
7) Trichlorofluoromethane	3.00	101	63903	18.78	ug/l	98
8) Diethyl Ether	3.38	74	25713	18.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	38376	19.46	ug/l	99
10) Methyl Iodide	3.93	142	34959	19.92	ug/l	100
11) Tert butyl alcohol	4.73	59	37682	95.48	ug/l	99
12) 1,1-Dichloroethene	3.71	96	38857	18.36	ug/l	97
13) Acrolein	3.58	56	29704	67.91	ug/l	98
14) Allyl chloride	4.29	41	69332	18.63	ug/l	97
15) Acrylonitrile	4.94	53	104804	90.31	ug/l	99
16) Acetone	3.78	43	93469	98.33	ug/l	100
17) Carbon Disulfide	4.03	76	118315	18.38	ug/l	100
18) Methyl Acetate	4.28	43	48239	18.03	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	133056	18.29	ug/l	100
20) Methylene Chloride	4.52	84	43490	18.60	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	41677	18.48	ug/l	97
22) Diisopropyl ether	5.91	45	150496	19.14	ug/l	99
23) Vinyl Acetate	5.86	43	607336	94.65	ug/l	100
24) 1,1-Dichloroethane	5.82	63	81937	19.11	ug/l	99
25) 2-Butanone	6.80	43	140456	91.32	ug/l	100
26) 2,2-Dichloropropane	6.79	77	69727	20.67	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	48673	18.99	ug/l	99
28) Bromochloromethane	7.17	49	41076	20.03	ug/l	99
29) Tetrahydrofuran	7.18	42	97132	89.25	ug/l	99
30) Chloroform	7.35	83	78546	19.11	ug/l	100
31) Cyclohexane	7.63	56	79773	18.46	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	66798	18.85	ug/l	97
36) 1,1-Dichloropropene	7.77	75	61093	19.61	ug/l	100
37) Ethyl Acetate	6.89	43	61065	18.14	ug/l	99
38) Carbon Tetrachloride	7.75	117	52635	18.85	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72403	19.56	ug/l	97
40) Benzene	8.02	78	182331	19.39	ug/l	99
41) Methacrylonitrile	7.15	41	27181m	18.92	ug/l	
42) 1,2-Dichloroethane	8.10	62	62784	19.53	ug/l	98
43) Isopropyl Acetate	8.14	43	101909	18.36	ug/l	100
44) Trichloroethene	8.82	130	47304	19.95	ug/l	100
45) 1,2-Dichloropropane	9.10	63	49247	19.84	ug/l	98
46) Dibromomethane	9.19	93	29228	19.48	ug/l	99
47) Bromodichloromethane	9.39	83	60819	19.51	ug/l	99
48) Methyl methacrylate	9.18	41	45707	18.49	ug/l	97
49) 1,4-Dioxane	9.18	88	14028	477.46	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	294637	93.26	ug/l	100
52) Toluene	10.14	92	110608	19.47	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70372	19.65	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	75983	19.34	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42112	19.27	ug/l	97
56) Ethyl methacrylate	10.42	69	63497	18.64	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74109	19.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	165584	97.78	ug/l	100
59) 2-Hexanone	10.74	43	211845	93.09	ug/l	99
60) Dibromochloromethane	10.89	129	43688	19.36	ug/l	99
61) 1,2-Dibromoethane	10.99	107	42233	19.22	ug/l	100
64) Tetrachloroethene	10.62	164	46365	20.10	ug/l	98
65) Chlorobenzene	11.43	112	112879	19.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40873	19.43	ug/l	99
67) Ethyl Benzene	11.50	91	210834	19.51	ug/l	99
68) m/p-Xylenes	11.62	106	155078	38.62	ug/l	98
69) o-Xylene	11.94	106	75636	19.73	ug/l	99
70) Styrene	11.96	104	119926	19.13	ug/l	100
71) Bromoform	12.12	173	30685	18.64	ug/l #	98
73) Isopropylbenzene	12.25	105	198782	19.02	ug/l	100
74) N-amyl acetate	12.06	43	85921	17.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58902	18.64	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	54220m	18.04	ug/l	
77) Bromobenzene	12.52	156	47213	18.75	ug/l	99
78) n-propylbenzene	12.59	91	235738	19.09	ug/l	99
79) 2-Chlorotoluene	12.67	91	138706	18.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	168456	18.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20664	17.66	ug/l	95
82) 4-Chlorotoluene	12.77	91	142517	18.97	ug/l	100
83) tert-Butylbenzene	12.99	119	138303	18.81	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	168269	19.18	ug/l	99
85) sec-Butylbenzene	13.17	105	187626	18.98	ug/l	100
86) p-Isopropyltoluene	13.28	119	167075	18.79	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84581	19.04	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	84820	19.01	ug/l	98
89) n-Butylbenzene	13.61	91	151258	18.84	ug/l	99
90) Hexachloroethane	13.87	117	22172	17.16	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82584	19.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11234	16.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49658	19.04	ug/l	99
94) Hexachlorobutadiene	15.01	225	23710	18.54	ug/l	99
95) Naphthalene	15.13	128	143123	18.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48406	18.84	ug/l	98

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

