

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063149.D
 Acq On : 31 Aug 2020 13:47
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:11 AM

Quant Time: Sep 01 03:09:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	424953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	792765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	722846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	319810	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	118390	19.20	ug/l	0.00
Spiked Amount			Recovery	=	38.40%	
35) Dibromofluoromethane	7.55	113	85188	13.29	ug/l	0.00
Spiked Amount			Recovery	=	26.58%	
50) Toluene-d8	10.06	98	334871	14.31	ug/l	0.00
Spiked Amount			Recovery	=	28.62%	
62) 4-Bromofluorobenzene	12.38	95	113795	14.08	ug/l	0.00
Spiked Amount			Recovery	=	28.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	73660	16.013	ug/l	97
3) Chloromethane	2.04	50	103938	17.506	ug/l	99
4) Vinyl Chloride	2.17	62	120444	18.805	ug/l	98
5) Bromomethane	2.54	94	98299	22.307	ug/l	97
6) Chloroethane	2.68	64	95336	21.598	ug/l	97
7) Trichlorofluoromethane	2.99	101	208194	23.402	ug/l	96
8) Diethyl Ether	3.38	74	56792	18.664	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	82896	15.768	ug/l	98
10) Methyl Iodide	3.91	142	110372	15.802	ug/l	99
11) Tert butyl alcohol	4.73	59	75717	144.348	ug/l #	78
12) 1,1-Dichloroethene	3.70	96	84102	17.846	ug/l	98
13) Acrolein	3.57	56	27178	98.244	ug/l	100
14) Allyl chloride	4.28	41	142010	18.599	ug/l	94
15) Acrylonitrile	4.93	53	203557	104.508	ug/l	99
16) Acetone	3.78	43	170036	103.548	ug/l	99
17) Carbon Disulfide	4.01	76	247063	17.510	ug/l	100
18) Methyl Acetate	4.28	43	86660	14.790	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	305142	22.401	ug/l	99
20) Methylene Chloride	4.51	84	99518	16.912	ug/l	87
21) trans-1,2-Dichloroethene	4.99	96	90485	17.957	ug/l	97
22) Diisopropyl ether	5.90	45	327168	20.974	ug/l	98
23) Vinyl Acetate	5.84	43	1380377	121.054	ug/l	98
24) 1,1-Dichloroethane	5.80	63	185788	18.864	ug/l	99
25) 2-Butanone	6.78	43	273118	114.741	ug/l	100
26) 2,2-Dichloropropane	6.78	77	159594	20.381	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	110254	19.775	ug/l	99
28) Bromochloromethane	7.15	49	93671	20.640	ug/l	99
29) Tetrahydrofuran	7.17	42	190980	126.053	ug/l	98
30) Chloroform	7.33	83	182874	18.065	ug/l	95
31) Cyclohexane	7.61	56	169091	18.371	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	162920	18.513	ug/l	99
36) 1,1-Dichloropropene	7.75	75	138373	15.970	ug/l	99
37) Ethyl Acetate	6.88	43	121577	19.312	ug/l	99
38) Carbon Tetrachloride	7.74	117	140957	15.170	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	159997	17.651	ug/l	97
40) Benzene	8.00	78	401898	15.206	ug/l	100
41) Methacrylonitrile	7.14	41	66006m	21.087	ug/l	
42) 1,2-Dichloroethane	8.09	62	150362	16.827	ug/l	100
43) Isopropyl Acetate	8.13	43	227460	20.640	ug/l	99
44) Trichloroethene	8.80	130	101848	14.836	ug/l	98
45) 1,2-Dichloropropane	9.09	63	107039	15.047	ug/l	99
46) Dibromomethane	9.17	93	70806	15.853	ug/l	99
47) Bromodichloromethane	9.37	83	152509	16.439	ug/l	99
48) Methyl methacrylate	9.17	41	105006	19.298	ug/l	99
49) 1,4-Dioxane	9.17	88	29392	380.373	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	634594	103.443	ug/l	100
52) Toluene	10.13	92	250366	15.920	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	159198	17.043	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	173582	17.085	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	96540	14.799	ug/l	95
56) Ethyl methacrylate	10.40	69	141453	18.146	ug/l	97
57) 1,3-Dichloropropane	10.68	76	171943	16.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	383642	106.159	ug/l	100
59) 2-Hexanone	10.72	43	441332	106.009	ug/l	99
60) Dibromochloromethane	10.87	129	105617	14.819	ug/l	99
61) 1,2-Dibromoethane	10.98	107	98692	16.051	ug/l	97
64) Tetrachloroethene	10.60	164	91571	14.470	ug/l	98
65) Chlorobenzene	11.41	112	266494	14.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	96480	13.981	ug/l	96
67) Ethyl Benzene	11.49	91	487601	16.732	ug/l	98
68) m/p-Xylenes	11.60	106	354916	32.495	ug/l	99
69) o-Xylene	11.92	106	168931	16.052	ug/l	95
70) Styrene	11.94	104	291202	16.999	ug/l	99
71) Bromoform	12.10	173	63237	13.048	ug/l #	97
73) Isopropylbenzene	12.23	105	459244	18.614	ug/l	99
74) N-amyl acetate	12.05	43	188505	23.519	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	126223	16.953	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	113259m	18.320	ug/l	
77) Bromobenzene	12.50	156	102571	15.476	ug/l	95
78) n-propylbenzene	12.57	91	542409	19.298	ug/l	99
79) 2-Chlorotoluene	12.65	91	315481	18.339	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	381397	19.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	46592	22.551	ug/l	99
82) 4-Chlorotoluene	12.75	91	330797	19.098	ug/l	98
83) tert-Butylbenzene	12.97	119	325961	18.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	382946	19.183	ug/l	99
85) sec-Butylbenzene	13.15	105	430965	18.827	ug/l	100
86) p-Isopropyltoluene	13.26	119	382372	19.476	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	184996	15.905	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	187332	15.951	ug/l	98
89) n-Butylbenzene	13.59	91	349082	21.130	ug/l	99
90) Hexachloroethane	13.85	117	65186	14.953	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	184252	16.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	27429	22.347	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	98467	18.572	ug/l	97
94) Hexachlorobutadiene	14.98	225	37211	10.427	ug/l	98
95) Naphthalene	15.10	128	333163	25.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	96161	17.533	ug/l	99

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

