

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062400.D
 Acq On : 8 Jul 2020 11:02
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:50 AM

Quant Time: Jul 08 12:40:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	194530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	300833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	57346	16.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.62%	
35) Dibromofluoromethane	7.55	113	38817	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.06	98	152638	18.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.50%	
62) 4-Bromofluorobenzene	12.38	95	53717	16.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	38692	17.733	ug/l	97
3) Chloromethane	2.04	50	60280	18.357	ug/l	99
4) Vinyl Chloride	2.16	62	51543	18.455	ug/l	100
5) Bromomethane	2.53	94	27334	18.933	ug/l	99
6) Chloroethane	2.67	64	29901	18.364	ug/l	100
7) Trichlorofluoromethane	2.98	101	66391	17.550	ug/l	99
8) Diethyl Ether	3.38	74	29168	19.351	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38488	17.872	ug/l	98
10) Methyl Iodide	3.91	142	49366	18.889	ug/l	99
11) Tert butyl alcohol	4.74	59	47994	98.849	ug/l	99
12) 1,1-Dichloroethene	3.70	96	39604	19.618	ug/l	96
13) Acrolein	3.57	56	29998	120.262	ug/l	98
14) Allyl chloride	4.27	41	91466	18.778	ug/l	99
15) Acrylonitrile	4.93	53	129911	100.635	ug/l	99
16) Acetone	3.78	43	121951	77.442	ug/l	98
17) Carbon Disulfide	4.01	76	119355	18.660	ug/l	100
18) Methyl Acetate	4.28	43	60579	17.145	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	147164	19.209	ug/l	99
20) Methylene Chloride	4.50	84	50483	17.449	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	42981	19.255	ug/l	98
22) Diisopropyl ether	5.91	45	186958	19.249	ug/l	98
23) Vinyl Acetate	5.84	43	768706	101.903	ug/l	99
24) 1,1-Dichloroethane	5.80	63	94342	19.424	ug/l	99
25) 2-Butanone	6.79	43	182678	90.532	ug/l	99
26) 2,2-Dichloropropane	6.78	77	71422	18.094	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	49975	19.607	ug/l	99
28) Bromochloromethane	7.15	49	50099	18.773	ug/l	100
29) Tetrahydrofuran	7.17	42	124902	96.965	ug/l	99
30) Chloroform	7.33	83	86536	18.449	ug/l	99
31) Cyclohexane	7.62	56	86863	19.297	ug/l	92
32) 1,1,1-Trichloroethane	7.53	97	71479	18.208	ug/l	99
36) 1,1-Dichloropropene	7.75	75	65878	18.696	ug/l	100
37) Ethyl Acetate	6.88	43	75457	18.399	ug/l	100
38) Carbon Tetrachloride	7.73	117	60231	17.320	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	71623	18.883	ug/l	99
40) Benzene	8.00	78	197746	19.728	ug/l	98
41) Methacrylonitrile	7.13	41	31978m	15.655	ug/l	
42) 1,2-Dichloroethane	8.09	62	72503	16.841	ug/l	100
43) Isopropyl Acetate	8.13	43	123824	18.076	ug/l	99
44) Trichloroethene	8.80	130	43137	18.132	ug/l	95
45) 1,2-Dichloropropane	9.09	63	57890	19.693	ug/l	100
46) Dibromomethane	9.18	93	32909	18.342	ug/l	96
47) Bromodichloromethane	9.37	83	69033	18.037	ug/l	99
48) Methyl methacrylate	9.17	41	59330	17.040	ug/l	98
49) 1,4-Dioxane	9.17	88	17928	374.753	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	375819	101.727	ug/l	100
52) Toluene	10.12	92	115253	19.400	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	76461	18.555	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	84125	18.967	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	45778	19.117	ug/l	94
56) Ethyl methacrylate	10.40	69	75359	19.496	ug/l	98
57) 1,3-Dichloropropane	10.68	76	82869	18.704	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	119778	87.557	ug/l	99
59) 2-Hexanone	10.72	43	273227	98.494	ug/l	98
60) Dibromochloromethane	10.87	129	47938	17.769	ug/l	99
61) 1,2-Dibromoethane	10.98	107	43949	17.962	ug/l	98
64) Tetrachloroethene	10.60	164	36605	18.871	ug/l	98
65) Chlorobenzene	11.41	112	118888	19.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	43696	18.793	ug/l	99
67) Ethyl Benzene	11.48	91	220288	20.090	ug/l	99
68) m/p-Xylenes	11.60	106	156230	38.972	ug/l	100
69) o-Xylene	11.92	106	76041	19.230	ug/l	99
70) Styrene	11.94	104	127044	19.440	ug/l	100
71) Bromoform	12.10	173	31957	17.619	ug/l #	96
73) Isopropylbenzene	12.22	105	206066	20.921	ug/l	100
74) N-amyl acetate	12.05	43	101095	19.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68391	19.821	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	66700m	21.020	ug/l	
77) Bromobenzene	12.50	156	46654	20.100	ug/l	97
78) n-propylbenzene	12.57	91	237520	21.125	ug/l	99
79) 2-Chlorotoluene	12.65	91	145639	20.385	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	169076	20.496	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	23322	20.441	ug/l	98
82) 4-Chlorotoluene	12.75	91	147581	20.234	ug/l	99
83) tert-Butylbenzene	12.97	119	143363	20.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	166000	20.331	ug/l	100
85) sec-Butylbenzene	13.15	105	190235	21.191	ug/l	99
86) p-Isopropyltoluene	13.26	119	163655	20.246	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	79576	19.137	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	78770	18.338	ug/l	96
89) n-Butylbenzene	13.59	91	137022	19.665	ug/l	100
90) Hexachloroethane	13.85	117	32177	18.778	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	78738	19.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12159	18.238	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	35527	19.047	ug/l	98
94) Hexachlorobutadiene	14.98	225	20090	17.212	ug/l	96
95) Naphthalene	15.10	128	93900	18.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	35510	18.555	ug/l	99

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

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