

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059819.D
 Acq On : 21 Jan 2020 19:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:15:21 AM

Quant Time: Jan 22 03:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112098	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.56	113	93829	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.08	98	359871	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.40	95	128871	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117830	50.431	ug/l	100
3) Chloromethane	2.04	50	109210	48.130	ug/l	98
4) Vinyl Chloride	2.17	62	139976	53.916	ug/l	98
5) Bromomethane	2.53	94	84455	53.305	ug/l	99
6) Chloroethane	2.68	64	64670	52.652	ug/l	97
7) Trichlorofluoromethane	3.00	101	165771	53.168	ug/l	100
8) Diethyl Ether	3.38	74	58483	53.449	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94726	54.588	ug/l	92
10) Methyl Iodide	3.93	142	145600	51.909	ug/l	95
11) Tert butyl alcohol	4.73	59	97779	263.895	ug/l	99
12) 1,1-Dichloroethene	3.72	96	92969	51.272	ug/l	87
13) Acrolein	3.58	56	67119	255.901	ug/l	98
14) Allyl chloride	4.29	41	121085	49.543	ug/l #	83
15) Acrylonitrile	4.94	53	229397	271.415	ug/l	99
16) Acetone	3.78	43	249874	336.316	ug/l	97
17) Carbon Disulfide	4.03	76	245009	47.433	ug/l	100
18) Methyl Acetate	4.28	43	143323	55.749	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	312890	52.925	ug/l	94
20) Methylene Chloride	4.52	84	103437	51.996	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	97638	50.656	ug/l	88
22) Diisopropyl ether	5.91	45	282380	50.983	ug/l #	95
23) Vinyl Acetate	5.86	43	922707	215.170	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	174903	51.681	ug/l	97
25) 2-Butanone	6.80	43	326946	262.313	ug/l #	90
26) 2,2-Dichloropropane	6.79	77	156459	48.089	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	116075	52.359	ug/l	87
28) Bromochloromethane	7.17	49	67104	49.610	ug/l #	71
29) Tetrahydrofuran	7.18	42	199121	258.206	ug/l	87
30) Chloroform	7.35	83	185108	52.790	ug/l	98
31) Cyclohexane	7.63	56	152820	46.928	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	171637	52.939	ug/l	96
36) 1,1-Dichloropropene	7.77	75	134115	49.787	ug/l	95
37) Ethyl Acetate	6.90	43	127603	50.505	ug/l	97
38) Carbon Tetrachloride	7.75	117	153808	52.489	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162134	48.813	ug/l	91
40) Benzene	8.02	78	405982	50.534	ug/l	99
41) Methacrylonitrile	7.15	41	60030m	48.238	ug/l	
42) 1,2-Dichloroethane	8.10	62	144564	53.072	ug/l	97
43) Isopropyl Acetate	8.14	43	219825	50.584	ug/l #	94
44) Trichloroethene	8.82	130	119894	54.667	ug/l	95
45) 1,2-Dichloropropane	9.10	63	104005	52.317	ug/l	100
46) Dibromomethane	9.19	93	73916	52.709	ug/l	91
47) Bromodichloromethane	9.39	83	149116	52.767	ug/l	99
48) Methyl methacrylate	9.18	41	95339	49.047	ug/l	89
49) 1,4-Dioxane	9.18	88	40405	1135.456	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	640530	254.973	ug/l	94
52) Toluene	10.14	92	263549	51.935	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163291	51.750	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	173756	52.335	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	104679	52.084	ug/l	97
56) Ethyl methacrylate	10.42	69	157355	51.239	ug/l	90
57) 1,3-Dichloropropane	10.70	76	169325	53.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	257707	278.603	ug/l	91
59) 2-Hexanone	10.74	43	491111	265.363	ug/l	94
60) Dibromochloromethane	10.89	129	123862	54.119	ug/l	100
61) 1,2-Dibromoethane	10.99	107	112486	53.399	ug/l	99
64) Tetrachloroethene	10.62	164	158578	69.730	ug/l	95
65) Chlorobenzene	11.43	112	285673	52.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	114057	53.820	ug/l	100
67) Ethyl Benzene	11.50	91	513227	51.548	ug/l	98
68) m/p-Xylenes	11.61	106	391454	104.086	ug/l	94
69) o-Xylene	11.94	106	190456	51.727	ug/l	95
70) Styrene	11.96	104	317961	51.607	ug/l	96
71) Bromoform	12.12	173	93032	54.804	ug/l #	98
73) Isopropylbenzene	12.24	105	513329	51.228	ug/l	99
74) N-amyl acetate	12.06	43	189226	48.666	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	142687	49.119	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	131600m	57.233	ug/l	
77) Bromobenzene	12.52	156	131108	51.667	ug/l	82
78) n-propylbenzene	12.59	91	574324	51.065	ug/l	98
79) 2-Chlorotoluene	12.67	91	336612	50.310	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	424910	50.421	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	52863	49.372	ug/l	94
82) 4-Chlorotoluene	12.77	91	341668	50.912	ug/l	95
83) tert-Butylbenzene	12.99	119	369024	50.631	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	425861	51.080	ug/l	98
85) sec-Butylbenzene	13.17	105	486718	50.827	ug/l	99
86) p-Isopropyltoluene	13.28	119	448658	50.635	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	230742	52.348	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	226736	51.562	ug/l	97
89) n-Butylbenzene	13.61	91	375370	49.686	ug/l	98
90) Hexachloroethane	13.87	117	84337	50.873	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	226621	52.005	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32166	51.658	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134347	51.308	ug/l	98
94) Hexachlorobutadiene	15.01	225	71724	49.707	ug/l	99
95) Naphthalene	15.13	128	373805	50.190	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128954	50.596	ug/l	100

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

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