

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061090.D
 Acq On : 18 Apr 2020 6:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:07:28 AM

Quant Time: Apr 20 07:27:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	148539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	233974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95629	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.56	113	72875	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.08	98	266797	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.39	95	106765	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	97763	49.797	ug/l	100
3) Chloromethane	2.04	50	132708	50.373	ug/l	100
4) Vinyl Chloride	2.17	62	112308	51.298	ug/l	99
5) Bromomethane	2.54	94	54726	49.846	ug/l	99
6) Chloroethane	2.68	64	65426	51.806	ug/l	99
7) Trichlorofluoromethane	3.00	101	140587	51.580	ug/l	99
8) Diethyl Ether	3.38	74	56245	51.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78539	49.114	ug/l	99
10) Methyl Iodide	3.93	142	76488	54.218	ug/l	99
11) Tert butyl alcohol	4.72	59	89313	264.873	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81816	50.333	ug/l	98
13) Acrolein	3.57	56	64577	226.820	ug/l	99
14) Allyl chloride	4.29	41	145152	47.195	ug/l	99
15) Acrylonitrile	4.94	53	254285	278.134	ug/l	98
16) Acetone	3.78	43	208148	248.835	ug/l	99
17) Carbon Disulfide	4.03	76	249982	49.147	ug/l	99
18) Methyl Acetate	4.28	43	151130	57.616	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	290584	51.269	ug/l	98
20) Methylene Chloride	4.52	84	91960	50.352	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	87833	50.520	ug/l	98
22) Diisopropyl ether	5.91	45	336335	52.655	ug/l	99
23) Vinyl Acetate	5.86	43	1295582	258.653	ug/l	100
24) 1,1-Dichloroethane	5.82	63	177550	51.465	ug/l	100
25) 2-Butanone	6.79	43	339371	264.760	ug/l	99
26) 2,2-Dichloropropane	6.79	77	104612	36.419	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	101252	50.728	ug/l	97
28) Bromochloromethane	7.17	49	80653	50.930	ug/l	98
29) Tetrahydrofuran	7.18	42	233773	268.641	ug/l	99
30) Chloroform	7.35	83	164523	51.129	ug/l	98
31) Cyclohexane	7.63	56	169030	47.747	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	141523	50.846	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129149	49.001	ug/l	100
37) Ethyl Acetate	6.89	43	144905	50.634	ug/l	100
38) Carbon Tetrachloride	7.75	117	113169	51.586	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	151825	48.183	ug/l	99
40) Benzene	8.02	78	385582	49.314	ug/l	99
41) Methacrylonitrile	7.14	41	69607m	58.313	ug/l	
42) 1,2-Dichloroethane	8.10	62	134739	50.586	ug/l	100
43) Isopropyl Acetate	8.14	43	239960	51.555	ug/l	99
44) Trichloroethene	8.81	130	94420	48.059	ug/l	100
45) 1,2-Dichloropropane	9.10	63	105817	50.105	ug/l	99
46) Dibromomethane	9.19	93	63638	52.263	ug/l	99
47) Bromodichloromethane	9.38	83	131794	51.236	ug/l	99
48) Methyl methacrylate	9.18	41	108524	52.761	ug/l	98
49) 1,4-Dioxane	9.18	88	30273	1059.145	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	719307	268.086	ug/l	100
52) Toluene	10.14	92	231465	49.346	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	143006	47.861	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	157046	48.172	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89163	50.230	ug/l	95
56) Ethyl methacrylate	10.42	69	147638	52.892	ug/l	99
57) 1,3-Dichloropropane	10.69	76	159286	50.307	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	337909	266.410	ug/l	99
59) 2-Hexanone	10.74	43	525578	271.615	ug/l	99
60) Dibromochloromethane	10.89	129	95114	52.161	ug/l	99
61) 1,2-Dibromoethane	10.99	107	93337	51.601	ug/l	98
64) Tetrachloroethene	10.62	164	90802	50.716	ug/l	99
65) Chlorobenzene	11.42	112	234880	48.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85738	49.615	ug/l	99
67) Ethyl Benzene	11.50	91	446938	49.192	ug/l	99
68) m/p-Xylenes	11.61	106	327499	99.740	ug/l	99
69) o-Xylene	11.94	106	156565	49.593	ug/l	100
70) Styrene	11.96	104	261012	51.355	ug/l	100
71) Bromoform	12.12	173	68226	52.893	ug/l #	99
73) Isopropylbenzene	12.24	105	422780	47.559	ug/l	100
74) N-amyl acetate	12.06	43	203520	49.232	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	133947	49.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123193m	50.475	ug/l	
77) Bromobenzene	12.52	156	99994	48.177	ug/l	98
78) n-propylbenzene	12.58	91	503978	48.457	ug/l	99
79) 2-Chlorotoluene	12.67	91	293753	48.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	356888	48.570	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	42930	43.386	ug/l	99
82) 4-Chlorotoluene	12.77	91	308617	48.782	ug/l	99
83) tert-Butylbenzene	12.99	119	298071	48.236	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	355487	48.944	ug/l	100
85) sec-Butylbenzene	13.17	105	406277	48.524	ug/l	100
86) p-Isopropyltoluene	13.28	119	362084	48.565	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	178222	48.182	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	178367	47.932	ug/l	100
89) n-Butylbenzene	13.61	91	337417	48.667	ug/l	99
90) Hexachloroethane	13.87	117	55883	48.854	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	171707	48.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28453	54.178	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	106868	51.144	ug/l	100
94) Hexachlorobutadiene	15.00	225	48936	45.525	ug/l	99
95) Naphthalene	15.13	128	321228	52.713	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	103557	51.426	ug/l	99

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

