

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060316.D
 Acq On : 3 Mar 2020 9:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:43:55 AM

Quant Time: Mar 04 01:24:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135453	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.56	113	82567	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.08	98	401025	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	153212	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95344	48.853	ug/l	100
3) Chloromethane	2.04	50	166714	49.064	ug/l	99
4) Vinyl Chloride	2.16	62	138113	47.395	ug/l	98
5) Bromomethane	2.54	94	49600	41.897	ug/l	98
6) Chloroethane	2.68	64	73843	46.770	ug/l	95
7) Trichlorofluoromethane	3.00	101	179045	48.090	ug/l	98
8) Diethyl Ether	3.38	74	68632	48.823	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104175	49.440	ug/l	99
10) Methyl Iodide	3.93	142	93668	48.708	ug/l	100
11) Tert butyl alcohol	4.72	59	103002	253.993	ug/l	100
12) 1,1-Dichloroethene	3.71	96	102274	50.011	ug/l	98
13) Acrolein	3.57	56	98444	260.211	ug/l	99
14) Allyl chloride	4.29	41	174751	46.345	ug/l	90
15) Acrylonitrile	4.94	53	278011	260.090	ug/l	99
16) Acetone	3.78	43	213618	242.211	ug/l	98
17) Carbon Disulfide	4.03	76	267325	49.248	ug/l	99
18) Methyl Acetate	4.28	43	140395	47.701	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	375707	50.601	ug/l	98
20) Methylene Chloride	4.52	84	116339	48.032	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	110576	50.329	ug/l	98
22) Diisopropyl ether	5.91	45	399067	52.249	ug/l	99
23) Vinyl Acetate	5.86	43	1603316	264.173	ug/l	100
24) 1,1-Dichloroethane	5.81	63	220695	51.046	ug/l	100
25) 2-Butanone	6.80	43	379415	266.338	ug/l	100
26) 2,2-Dichloropropane	6.80	77	202753	51.513	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	132724	47.257	ug/l	98
28) Bromochloromethane	7.17	49	87455	49.267	ug/l	97
29) Tetrahydrofuran	7.18	42	253878	256.285	ug/l	100
30) Chloroform	7.35	83	220870	51.318	ug/l	99
31) Cyclohexane	7.63	56	193902	52.626	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	195353	51.229	ug/l	100
36) 1,1-Dichloropropene	7.77	75	163290	49.655	ug/l	99
37) Ethyl Acetate	6.89	43	163837	52.616	ug/l	100
38) Carbon Tetrachloride	7.75	117	162726	50.824	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	196756	50.745	ug/l	98
40) Benzene	8.02	78	486569	50.836	ug/l	100
41) Methacrylonitrile	7.14	41	73653m	51.228	ug/l	
42) 1,2-Dichloroethane	8.10	62	178197	51.593	ug/l	100
43) Isopropyl Acetate	8.14	43	290742	53.335	ug/l	99
44) Trichloroethene	8.82	130	132030	49.529	ug/l	98
45) 1,2-Dichloropropane	9.10	63	134376	53.697	ug/l	99
46) Dibromomethane	9.19	93	83246	51.267	ug/l	99
47) Bromodichloromethane	9.38	83	178363	54.009	ug/l	98
48) Methyl methacrylate	9.18	41	129792	52.213	ug/l	98
49) 1,4-Dioxane	9.18	88	36636	1048.011	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	841102	272.134	ug/l	99
52) Toluene	10.14	92	307346	51.119	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	208328	51.482	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	216715	51.683	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	120785	49.956	ug/l	98
56) Ethyl methacrylate	10.42	69	189546	54.568	ug/l	98
57) 1,3-Dichloropropane	10.70	76	206628	52.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	458657	252.464	ug/l	99
59) 2-Hexanone	10.74	43	623535	274.768	ug/l	99
60) Dibromochloromethane	10.89	129	132126	53.735	ug/l	99
61) 1,2-Dibromoethane	10.99	107	124911	52.996	ug/l	98
64) Tetrachloroethene	10.62	164	138186	54.548	ug/l	99
65) Chlorobenzene	11.43	112	326663	50.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	125573	52.150	ug/l	100
67) Ethyl Benzene	11.50	91	607238	51.203	ug/l	100
68) m/p-Xylenes	11.62	106	454443	101.563	ug/l	100
69) o-Xylene	11.94	106	219550	51.455	ug/l	100
70) Styrene	11.96	104	367511	52.388	ug/l	100
71) Bromoform	12.12	173	96178	55.422	ug/l #	100
73) Isopropylbenzene	12.25	105	598457	50.598	ug/l	99
74) N-amyl acetate	12.06	43	266381	51.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168229	52.325	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	161470m	46.119	ug/l	
77) Bromobenzene	12.52	156	144441	49.820	ug/l	99
78) n-propylbenzene	12.59	91	707884	51.058	ug/l	99
79) 2-Chlorotoluene	12.67	91	410659	50.390	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	506716	50.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	68079	53.677	ug/l #	88
82) 4-Chlorotoluene	12.77	91	430013	50.081	ug/l	99
83) tert-Butylbenzene	12.99	119	439947	51.026	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	514834	51.220	ug/l	100
85) sec-Butylbenzene	13.17	105	593964	51.444	ug/l	99
86) p-Isopropyltoluene	13.28	119	538377	50.380	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263462	52.895	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263529	53.221	ug/l	99
89) n-Butylbenzene	13.61	91	500201	50.990	ug/l	100
90) Hexachloroethane	13.87	117	81306	52.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	253645	49.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35877	49.277	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167373	51.846	ug/l	100
94) Hexachlorobutadiene	15.01	225	81287	54.835	ug/l	99
95) Naphthalene	15.13	128	481447	50.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158353	52.096	ug/l	100

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

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