

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061779.D
 Acq On : 12 Jun 2020 9:59
 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
 6/15/2020 11:08:27 AM

Quant Time: Jun 13 05:20:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	324189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	486091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	473363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	248167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	175655	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
35) Dibromofluoromethane	7.54	113	136141	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	10.06	98	612514	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.37	95	223769	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	176230	47.149	ug/l	96
3) Chloromethane	2.03	50	169006	42.742	ug/l	97
4) Vinyl Chloride	2.16	62	230095	42.465	ug/l	98
5) Bromomethane	2.52	94	155316	49.953	ug/l	97
6) Chloroethane	2.66	64	158945	45.573	ug/l	99
7) Trichlorofluoromethane	2.98	101	341449	48.867	ug/l	99
8) Diethyl Ether	3.37	74	105598	49.423	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	163942	52.873	ug/l	96
10) Methyl Iodide	3.91	142	221503	51.461	ug/l	98
11) Tert butyl alcohol	4.73	59	130727	254.452	ug/l	99
12) 1,1-Dichloroethene	3.69	96	155678	46.995	ug/l	92
13) Acrolein	3.56	56	31153	203.639	ug/l	99
14) Allyl chloride	4.27	41	188577	43.543	ug/l	97
15) Acrylonitrile	4.92	53	347928	242.627	ug/l	99
16) Acetone	3.77	43	289266	272.291	ug/l	100
17) Carbon Disulfide	4.01	76	294735	40.440	ug/l	99
18) Methyl Acetate	4.27	43	169223	48.397	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	539899	47.821	ug/l	99
20) Methylene Chloride	4.50	84	183759	52.427	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	178393	47.752	ug/l	93
22) Diisopropyl ether	5.90	45	457598	47.940	ug/l	98
23) Vinyl Acetate	5.84	43	1685928	221.607	ug/l	96
24) 1,1-Dichloroethane	5.79	63	292720	48.361	ug/l	99
25) 2-Butanone	6.78	43	412188	225.171	ug/l	96
26) 2,2-Dichloropropane	6.77	77	269908	48.721	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	213713	50.520	ug/l	97
28) Bromochloromethane	7.15	49	107177	47.086	ug/l	92
29) Tetrahydrofuran	7.16	42	269680	223.412	ug/l	96
30) Chloroform	7.32	83	338207	50.506	ug/l	99
31) Cyclohexane	7.61	56	234026	42.991	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	295123	48.368	ug/l	99
36) 1,1-Dichloropropene	7.75	75	233250	54.204	ug/l	99
37) Ethyl Acetate	6.88	43	175412	50.611	ug/l	97
38) Carbon Tetrachloride	7.73	117	246000	59.267	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	274631	51.779	ug/l	97
40) Benzene	8.00	78	732933	55.202	ug/l	99
41) Methacrylonitrile	7.12	41	80843	50.910	ug/l #	71
42) 1,2-Dichloroethane	8.08	62	237633	53.460	ug/l	99
43) Isopropyl Acetate	8.12	43	305247	48.953	ug/l	92
44) Trichloroethene	8.80	130	230334	56.449	ug/l	95
45) 1,2-Dichloropropane	9.08	63	178408	56.588	ug/l	97
46) Dibromomethane	9.17	93	134512	55.630	ug/l	94
47) Bromodichloromethane	9.37	83	279810	58.408	ug/l	100
48) Methyl methacrylate	9.17	41	133386	47.545	ug/l	95
49) 1,4-Dioxane	9.16	88	65871	1515.611	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	901267	256.486	ug/l	98
52) Toluene	10.12	92	493637	56.963	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	293382	56.849	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	316865	57.104	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	200202	57.987	ug/l	97
56) Ethyl methacrylate	10.40	69	267649	55.496	ug/l	97
57) 1,3-Dichloropropane	10.68	76	318817	57.737	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	488885	237.204	ug/l	98
59) 2-Hexanone	10.72	43	641247	254.101	ug/l	96
60) Dibromochloromethane	10.87	129	237384	60.479	ug/l	99
61) 1,2-Dibromoethane	10.98	107	208127	57.800	ug/l	99
64) Tetrachloroethene	10.60	164	247940	55.644	ug/l	97
65) Chlorobenzene	11.40	112	549311	55.827	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	212981	58.132	ug/l	99
67) Ethyl Benzene	11.48	91	948518	55.774	ug/l	99
68) m/p-Xylenes	11.59	106	744741	110.444	ug/l	100
69) o-Xylene	11.92	106	356560	55.672	ug/l	100
70) Styrene	11.94	104	617691	58.238	ug/l	98
71) Bromoform	12.10	173	170066	60.240	ug/l #	99
73) Isopropylbenzene	12.22	105	948819	52.384	ug/l	99
74) N-amyl acetate	12.04	43	266718	46.758	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	255308	50.299	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	215684m	47.796	ug/l	
77) Bromobenzene	12.50	156	255568	55.276	ug/l	96
78) n-propylbenzene	12.56	91	1069899	52.911	ug/l	100
79) 2-Chlorotoluene	12.65	91	620520	51.464	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	798509	52.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	87424	49.542	ug/l	98
82) 4-Chlorotoluene	12.75	91	656227	51.735	ug/l	98
83) tert-Butylbenzene	12.97	119	683404	51.092	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	794269	52.811	ug/l	97
85) sec-Butylbenzene	13.15	105	896078	51.988	ug/l	99
86) p-Isopropyltoluene	13.26	119	841911	53.040	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	455999	55.696	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	453125	54.328	ug/l	99
89) n-Butylbenzene	13.59	91	694649	52.248	ug/l	99
90) Hexachloroethane	13.85	117	120090	68.411	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	432002	55.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	44668	43.150	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	266284	58.193	ug/l	98
94) Hexachlorobutadiene	14.99	225	113894	58.360	ug/l	99
95) Naphthalene	15.10	128	715364	51.362	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	258079	57.363	ug/l	99

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

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