

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059799.D
 Acq On : 20 Jan 2020 20:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 11:01:15 AM

Quant Time: Jan 21 03:19:33 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	194109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111202	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.56	113	94736	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.08	98	357183	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	126720	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	115999	50.694	ug/l	99
3) Chloromethane	2.04	50	106531	47.937	ug/l	100
4) Vinyl Chloride	2.17	62	136500	53.683	ug/l	98
5) Bromomethane	2.53	94	78702	50.719	ug/l	98
6) Chloroethane	2.68	64	62854	52.250	ug/l	99
7) Trichlorofluoromethane	3.00	101	161433	52.866	ug/l	96
8) Diethyl Ether	3.38	74	56039	52.292	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93009	54.726	ug/l	92
10) Methyl Iodide	3.93	142	142856	52.002	ug/l	95
11) Tert butyl alcohol	4.73	59	88404	243.612	ug/l	99
12) 1,1-Dichloroethene	3.72	96	89622	50.466	ug/l	89
13) Acrolein	3.58	56	69315	269.833	ug/l	100
14) Allyl chloride	4.29	41	116319	48.594	ug/l #	83
15) Acrylonitrile	4.94	53	213708	258.171	ug/l	99
16) Acetone	3.78	43	177005	240.364	ug/l	95
17) Carbon Disulfide	4.03	76	242805	47.995	ug/l	100
18) Methyl Acetate	4.29	43	132294	52.541	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	299383	51.705	ug/l	95
20) Methylene Chloride	4.52	84	101746	52.228	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	96065	50.889	ug/l	87
22) Diisopropyl ether	5.92	45	272835	50.296	ug/l #	95
23) Vinyl Acetate	5.86	43	1090427	259.630	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	167291	50.472	ug/l	97
25) 2-Butanone	6.80	43	276658	226.635	ug/l	90
26) 2,2-Dichloropropane	6.79	77	149711	46.983	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	113381	52.219	ug/l	86
28) Bromochloromethane	7.17	49	63790	48.152	ug/l #	71
29) Tetrahydrofuran	7.18	42	182618	241.787	ug/l #	86
30) Chloroform	7.35	83	179554	52.283	ug/l	99
31) Cyclohexane	7.63	56	147049	46.105	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	167384	52.714	ug/l	96
36) 1,1-Dichloropropene	7.77	75	130524	49.660	ug/l	95
37) Ethyl Acetate	6.89	43	114946	46.628	ug/l	95
38) Carbon Tetrachloride	7.75	117	149182	52.178	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162049	50.002	ug/l	90
40) Benzene	8.02	78	394762	50.361	ug/l	99
41) Methacrylonitrile	7.15	41	53983m	44.459	ug/l	
42) 1,2-Dichloroethane	8.10	62	136481	51.352	ug/l	96
43) Isopropyl Acetate	8.14	43	204531	48.236	ug/l #	94
44) Trichloroethene	8.82	130	110538	51.656	ug/l	94
45) 1,2-Dichloropropane	9.10	63	100123	51.618	ug/l	100
46) Dibromomethane	9.19	93	72396	52.911	ug/l	91
47) Bromodichloromethane	9.39	83	144776	52.507	ug/l	98
48) Methyl methacrylate	9.18	41	91286	48.131	ug/l	89
49) 1,4-Dioxane	9.18	88	36264	1044.460	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	595945	243.132	ug/l	94
52) Toluene	10.14	92	257749	52.057	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	158652	51.531	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170719	52.701	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	101088	51.549	ug/l	99
56) Ethyl methacrylate	10.42	69	150003	50.061	ug/l	93
57) 1,3-Dichloropropane	10.70	76	163765	52.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	249878	276.865	ug/l #	90
59) 2-Hexanone	10.74	43	434334	240.528	ug/l	93
60) Dibromochloromethane	10.89	129	120469	53.947	ug/l	100
61) 1,2-Dibromoethane	10.99	107	109115	53.088	ug/l	99
64) Tetrachloroethene	10.62	164	96748	43.349	ug/l	95
65) Chlorobenzene	11.43	112	281611	52.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110630	53.194	ug/l	99
67) Ethyl Benzene	11.50	91	500679	51.242	ug/l	97
68) m/p-Xylenes	11.62	106	384364	104.140	ug/l	93
69) o-Xylene	11.94	106	186391	51.584	ug/l	93
70) Styrene	11.96	104	314727	52.052	ug/l	96
71) Bromoform	12.12	173	91151	54.715	ug/l #	98
73) Isopropylbenzene	12.24	105	498184	50.592	ug/l	99
74) N-amyl acetate	12.06	43	182780	47.836	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	150027	52.555	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	127149m	56.271	ug/l	
77) Bromobenzene	12.52	156	127541	51.146	ug/l	82
78) n-propylbenzene	12.59	91	559050	50.582	ug/l	97
79) 2-Chlorotoluene	12.67	91	326555	49.666	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	419136	50.612	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	51704	49.139	ug/l	95
82) 4-Chlorotoluene	12.77	91	334643	50.743	ug/l	96
83) tert-Butylbenzene	12.99	119	368774	51.487	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	419053	51.148	ug/l	98
85) sec-Butylbenzene	13.17	105	477124	50.702	ug/l	99
86) p-Isopropyltoluene	13.28	119	442610	50.832	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	225646	52.092	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	223191	51.650	ug/l	97
89) n-Butylbenzene	13.61	91	373727	50.339	ug/l	98
90) Hexachloroethane	13.87	117	83203	51.072	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	221353	51.690	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30453	49.688	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134061	52.100	ug/l	98
94) Hexachlorobutadiene	15.01	225	69363	48.917	ug/l	99
95) Naphthalene	15.13	128	367723	50.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127614	50.951	ug/l	99

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

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