

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060132.D
 Acq On : 18 Feb 2020 9:57
 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
 2/19/2020 5:05:55 PM

Quant Time: Feb 18 10:16:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	177634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	274897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	104133	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	7.56	113	85264	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.08	98	326467	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	121252	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96510	54.355	ug/l	100
3) Chloromethane	2.03	50	112876	53.420	ug/l	100
4) Vinyl Chloride	2.17	62	123975	51.475	ug/l	99
5) Bromomethane	2.54	94	74220	50.257	ug/l	99
6) Chloroethane	2.68	64	63466	52.099	ug/l	96
7) Trichlorofluoromethane	3.00	101	159121	51.243	ug/l	100
8) Diethyl Ether	3.38	74	54794	53.010	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91046	52.811	ug/l	99
10) Methyl Iodide	3.93	142	124407	53.511	ug/l	98
11) Tert butyl alcohol	4.73	59	85808	265.283	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87823	52.292	ug/l	96
13) Acrolein	3.57	56	76364	238.847	ug/l	97
14) Allyl chloride	4.29	41	127130	51.430	ug/l	97
15) Acrylonitrile	4.94	53	215362	272.635	ug/l	99
16) Acetone	3.78	43	278061	294.920	ug/l	99
17) Carbon Disulfide	4.03	76	252052	49.791	ug/l	100
18) Methyl Acetate	4.29	43	97695	55.160	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	291904	51.684	ug/l	98
20) Methylene Chloride	4.52	84	96988	51.561	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	96162	52.526	ug/l	97
22) Diisopropyl ether	5.92	45	286199	52.829	ug/l	95
23) Vinyl Acetate	5.86	43	1229457	270.247	ug/l	99
24) 1,1-Dichloroethane	5.82	63	172932	52.694	ug/l	99
25) 2-Butanone	6.80	43	342871	289.151	ug/l	98
26) 2,2-Dichloropropane	6.79	77	163768	52.538	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	109298	51.013	ug/l	98
28) Bromochloromethane	7.17	49	65262	50.583	ug/l #	98
29) Tetrahydrofuran	7.18	42	193747	266.335	ug/l	99
30) Chloroform	7.35	83	179326	52.163	ug/l	100
31) Cyclohexane	7.63	56	154359	50.492	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	163812	52.144	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136703	53.689	ug/l	99
37) Ethyl Acetate	6.90	43	126913	55.151	ug/l	100
38) Carbon Tetrachloride	7.75	117	144377	52.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	169853	53.739	ug/l	99
40) Benzene	8.02	78	397311	52.603	ug/l	100
41) Methacrylonitrile	7.18	41	177679	184.113	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	140347	53.017	ug/l	99
43) Isopropyl Acetate	8.14	43	211593	53.790	ug/l	100
44) Trichloroethene	8.82	130	110602	52.885	ug/l	96
45) 1,2-Dichloropropane	9.10	63	102160	54.633	ug/l	100
46) Dibromomethane	9.19	93	70734	53.528	ug/l	98
47) Bromodichloromethane	9.38	83	145281	54.077	ug/l	99
48) Methyl methacrylate	9.18	41	94231	53.391	ug/l	100
49) 1,4-Dioxane	9.18	88	36090	1196.805	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	629842	276.624	ug/l	99
52) Toluene	10.14	92	256045	52.864	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	165449	54.559	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	172113	53.899	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101926	53.941	ug/l	99
56) Ethyl methacrylate	10.42	69	149442	55.907	ug/l	99
57) 1,3-Dichloropropane	10.70	76	167584	53.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	377565	303.196	ug/l	99
59) 2-Hexanone	10.74	43	511349	290.731	ug/l	100
60) Dibromochloromethane	10.89	129	117562	54.217	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107543	54.292	ug/l	99
64) Tetrachloroethene	10.62	164	102845	52.272	ug/l	98
65) Chlorobenzene	11.43	112	275060	52.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	107497	53.889	ug/l	100
67) Ethyl Benzene	11.50	91	506388	53.246	ug/l	99
68) m/p-Xylenes	11.61	106	389178	109.033	ug/l	99
69) o-Xylene	11.94	106	185369	53.938	ug/l	100
70) Styrene	11.96	104	308703	55.702	ug/l	100
71) Bromoform	12.12	173	89414	55.730	ug/l #	98
73) Isopropylbenzene	12.24	105	509323	50.401	ug/l	100
74) N-amyl acetate	12.06	43	194043	53.251	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	148303	50.987	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	201261	77.735	ug/l #	100
77) Bromobenzene	12.52	156	126361	50.387	ug/l	100
78) n-propylbenzene	12.59	91	591136	51.344	ug/l	100
79) 2-Chlorotoluene	12.67	91	336950	49.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	431622	51.370	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	57025	53.929	ug/l	99
82) 4-Chlorotoluene	12.77	91	355930	51.265	ug/l	100
83) tert-Butylbenzene	12.99	119	368491	49.577	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	434175	52.348	ug/l	99
85) sec-Butylbenzene	13.17	105	504407	51.242	ug/l	100
86) p-Isopropyltoluene	13.28	119	466087	52.260	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	231012	52.039	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	230398	51.911	ug/l	99
89) n-Butylbenzene	13.61	91	417030	53.163	ug/l	99
90) Hexachloroethane	13.87	117	85178	51.123	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	222915	51.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32469	52.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	143962	56.398	ug/l	99
94) Hexachlorobutadiene	15.01	225	77543	51.890	ug/l	99
95) Naphthalene	15.13	128	373494	54.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140681	55.342	ug/l	99

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

