

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060269.D
 Acq On : 27 Feb 2020 14:12
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:20 PM

Quant Time: Feb 27 16:40:59 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	224559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161486	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	135667	47.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.18%	
35) Dibromofluoromethane	7.56	113	89340	54.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.32%	
50) Toluene-d8	10.08	98	406143	48.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	153219	48.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	104693	50.850	ug/l	99
3) Chloromethane	2.04	50	166854	46.548	ug/l	99
4) Vinyl Chloride	2.16	62	147574	48.005	ug/l	100
5) Bromomethane	2.54	94	65039	52.690	ug/l	98
6) Chloroethane	2.68	64	82436	49.493	ug/l	97
7) Trichlorofluoromethane	3.00	101	195904	49.878	ug/l	100
8) Diethyl Ether	3.38	74	74300	50.103	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113467	51.046	ug/l	98
10) Methyl Iodide	3.92	142	118980	58.649	ug/l	99
11) Tert butyl alcohol	4.73	59	109125	255.078	ug/l	100
12) 1,1-Dichloroethene	3.71	96	111698	51.778	ug/l	99
13) Acrolein	3.57	56	102128	255.891	ug/l	98
14) Allyl chloride	4.29	41	185618	46.664	ug/l	90
15) Acrylonitrile	4.94	53	294442	261.117	ug/l	99
16) Acetone	3.78	43	209975	225.682	ug/l	100
17) Carbon Disulfide	4.03	76	299240	52.301	ug/l	100
18) Methyl Acetate	4.28	43	149065	48.009	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	396039	50.561	ug/l	98
20) Methylene Chloride	4.52	84	126727	49.596	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	118411	51.095	ug/l	97
22) Diisopropyl ether	5.91	45	415268	51.539	ug/l	99
23) Vinyl Acetate	5.85	43	1683716	262.973	ug/l	100
24) 1,1-Dichloroethane	5.82	63	232915	51.067	ug/l	99
25) 2-Butanone	6.80	43	377567	251.239	ug/l	99
26) 2,2-Dichloropropane	6.79	77	214297	51.610	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	139197	46.980	ug/l	98
28) Bromochloromethane	7.17	49	79581	42.497	ug/l	100
29) Tetrahydrofuran	7.18	42	258549	247.408	ug/l	98
30) Chloroform	7.34	83	230104	50.680	ug/l	100
31) Cyclohexane	7.63	56	204123	52.512	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	206618	51.362	ug/l	98
36) 1,1-Dichloropropene	7.77	75	172301	50.868	ug/l	99
37) Ethyl Acetate	6.89	43	167433	52.204	ug/l	99
38) Carbon Tetrachloride	7.75	117	174671	52.965	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	208259	52.147	ug/l	99
40) Benzene	8.02	78	510578	51.790	ug/l	100
41) Methacrylonitrile	7.14	41	71975m	48.602	ug/l	
42) 1,2-Dichloroethane	8.10	62	185156	52.045	ug/l	100
43) Isopropyl Acetate	8.14	43	296224	52.757	ug/l	99
44) Trichloroethene	8.82	130	140411	51.138	ug/l	100
45) 1,2-Dichloropropane	9.10	63	136938	53.127	ug/l	99
46) Dibromomethane	9.19	93	87593	52.372	ug/l	100
47) Bromodichloromethane	9.38	83	182355	53.608	ug/l	98
48) Methyl methacrylate	9.18	41	132490	51.745	ug/l	98
49) 1,4-Dioxane	9.18	88	38320	1064.240	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	850117	267.036	ug/l	100
52) Toluene	10.14	92	325141	52.502	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	215112	51.609	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	227077	52.576	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	127428	51.167	ug/l	99
56) Ethyl methacrylate	10.42	69	199032	55.629	ug/l	100
57) 1,3-Dichloropropane	10.70	76	213185	52.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	490328	262.032	ug/l	99
59) 2-Hexanone	10.74	43	619513	265.041	ug/l	98
60) Dibromochloromethane	10.89	129	139315	55.007	ug/l	98
61) 1,2-Dibromoethane	10.99	107	129424	53.311	ug/l	99
64) Tetrachloroethene	10.62	164	146125	56.434	ug/l	98
65) Chlorobenzene	11.43	112	343212	51.518	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	132064	53.614	ug/l	99
67) Ethyl Benzene	11.50	91	644620	53.133	ug/l	100
68) m/p-Xylenes	11.62	106	479364	104.725	ug/l	100
69) o-Xylene	11.94	106	232360	53.234	ug/l	99
70) Styrene	11.96	104	388777	54.174	ug/l	100
71) Bromoform	12.12	173	99106	55.825	ug/l #	99
73) Isopropylbenzene	12.25	105	631459	52.757	ug/l	99
74) N-amyl acetate	12.06	43	269140	51.459	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168376	51.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	167269m	47.211	ug/l	
77) Bromobenzene	12.52	156	152901	52.114	ug/l	98
78) n-propylbenzene	12.59	91	738759	52.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	427343	51.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	537128	53.300	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	71520	55.723	ug/l #	62
82) 4-Chlorotoluene	12.77	91	448524	51.620	ug/l	100
83) tert-Butylbenzene	12.99	119	462635	53.024	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	536319	52.727	ug/l	99
85) sec-Butylbenzene	13.17	105	621032	53.153	ug/l	100
86) p-Isopropyltoluene	13.28	119	566834	52.416	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	278642	55.290	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274699	54.832	ug/l	99
89) n-Butylbenzene	13.61	91	514611	51.839	ug/l	100
90) Hexachloroethane	13.87	117	87070	55.625	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	263324	51.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36170	49.092	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171020	52.349	ug/l	100
94) Hexachlorobutadiene	15.01	225	82869	55.246	ug/l	98
95) Naphthalene	15.13	128	494220	51.372	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	161080	52.367	ug/l	100

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

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