

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060368.D
 Acq On : 5 Mar 2020 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:20 AM

Quant Time: Mar 06 01:31:12 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	193880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143357	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	124113	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	83777	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
50) Toluene-d8	10.08	98	363689	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.40	95	138645	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	79098	44.498	ug/l	100
3) Chloromethane	2.04	50	139962	45.225	ug/l	100
4) Vinyl Chloride	2.16	62	117921	44.429	ug/l	100
5) Bromomethane	2.55	94	41983	38.757	ug/l	98
6) Chloroethane	2.69	64	63757	44.336	ug/l	97
7) Trichlorofluoromethane	3.00	101	153537	45.277	ug/l	99
8) Diethyl Ether	3.38	74	59475	46.452	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88283	46.001	ug/l	99
10) Methyl Iodide	3.93	142	81728	46.661	ug/l	99
11) Tert butyl alcohol	4.73	59	41645	112.748	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87220	46.821	ug/l	99
13) Acrolein	3.58	56	93583	271.584	ug/l	98
14) Allyl chloride	4.30	41	150977	43.961	ug/l	93
15) Acrylonitrile	4.94	53	233203	239.534	ug/l	99
16) Acetone	3.78	43	174833	217.646	ug/l	99
17) Carbon Disulfide	4.03	76	223555	45.159	ug/l	100
18) Methyl Acetate	4.29	43	119487	44.573	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	325718	48.164	ug/l	98
20) Methylene Chloride	4.52	84	100894	45.734	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	94661	47.278	ug/l	96
22) Diisopropyl ether	5.92	45	348507	50.097	ug/l	99
23) Vinyl Acetate	5.86	43	1371888	248.175	ug/l	98
24) 1,1-Dichloroethane	5.82	63	194319	49.346	ug/l	99
25) 2-Butanone	6.80	43	291931	224.994	ug/l	99
26) 2,2-Dichloropropane	6.80	77	174203	48.593	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	116515	45.548	ug/l	99
28) Bromochloromethane	7.17	49	81397	50.344	ug/l	98
29) Tetrahydrofuran	7.18	42	197733	219.153	ug/l	100
30) Chloroform	7.35	83	191748	48.915	ug/l	100
31) Cyclohexane	7.63	56	163619	48.654	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	169502	48.803	ug/l	99
36) 1,1-Dichloropropene	7.77	75	140471	45.523	ug/l	100
37) Ethyl Acetate	6.90	43	136601	46.753	ug/l	99
38) Carbon Tetrachloride	7.75	117	139916	46.572	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	155818	42.829	ug/l	98
40) Benzene	8.02	78	424098	47.221	ug/l	100
41) Methacrylonitrile	7.15	41	65132m	48.279	ug/l	
42) 1,2-Dichloroethane	8.10	62	154979	47.820	ug/l	100
43) Isopropyl Acetate	8.14	43	247643	48.415	ug/l	99
44) Trichloroethene	8.82	130	116198	46.455	ug/l	100
45) 1,2-Dichloropropane	9.10	63	117567	50.068	ug/l	98
46) Dibromomethane	9.19	93	72073	47.304	ug/l	99
47) Bromodichloromethane	9.39	83	155163	50.072	ug/l	100
48) Methyl methacrylate	9.18	41	109747	47.051	ug/l	99
49) 1,4-Dioxane	9.18	88	11968	364.860	ug/l #	94
51) 4-Methyl-2-Pentanone	9.97	43	693904	239.266	ug/l	100
52) Toluene	10.14	92	263555	46.716	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	177363	46.711	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	186806	47.478	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	106408	46.902	ug/l	99
56) Ethyl methacrylate	10.42	69	163472	50.154	ug/l	99
57) 1,3-Dichloropropane	10.70	76	178702	48.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	412019	241.700	ug/l	99
59) 2-Hexanone	10.74	43	486315	228.386	ug/l	100
60) Dibromochloromethane	10.89	129	113863	49.351	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106838	48.308	ug/l	97
64) Tetrachloroethene	10.62	164	120594	51.483	ug/l	98
65) Chlorobenzene	11.43	112	277087	46.087	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106622	47.963	ug/l	99
67) Ethyl Benzene	11.50	91	516346	47.160	ug/l	100
68) m/p-Xylenes	11.62	106	384168	92.999	ug/l	100
69) o-Xylene	11.94	106	186412	47.323	ug/l	99
70) Styrene	11.96	104	311372	48.077	ug/l	100
71) Bromoform	12.12	173	80705	50.373	ug/l #	99
73) Isopropylbenzene	12.24	105	502794	47.320	ug/l	100
74) N-amyl acetate	12.06	43	219097	47.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143436	49.662	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	134669m	42.816	ug/l	
77) Bromobenzene	12.52	156	121630	46.699	ug/l	99
78) n-propylbenzene	12.59	91	585079	46.976	ug/l	99
79) 2-Chlorotoluene	12.67	91	345223	47.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	420664	47.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55658	48.849	ug/l #	84
82) 4-Chlorotoluene	12.77	91	356706	46.244	ug/l	99
83) tert-Butylbenzene	12.99	119	348490	44.992	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	425294	47.099	ug/l	100
85) sec-Butylbenzene	13.17	105	464976	44.829	ug/l	100
86) p-Isopropyltoluene	13.28	119	425565	44.329	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	218665	48.854	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218461	49.085	ug/l	99
89) n-Butylbenzene	13.61	91	381150	43.250	ug/l	99
90) Hexachloroethane	13.87	117	55990	40.293	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	212919	46.653	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29617	45.282	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134341	46.332	ug/l	99
94) Hexachlorobutadiene	15.01	225	58461	43.784	ug/l	99
95) Naphthalene	15.13	128	396976	46.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125260	45.849	ug/l	100

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

