

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060603.D
 Acq On : 18 Mar 2020 19:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:59:41 PM

Quant Time: Mar 19 07:39:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	319864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151713	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	142376	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	105839	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.08	98	432227	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	157980	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	103049	51.228	ug/l	98
3) Chloromethane	2.03	50	180636	48.081	ug/l	100
4) Vinyl Chloride	2.16	62	146629	49.899	ug/l	98
5) Bromomethane	2.54	94	61604	48.564	ug/l	99
6) Chloroethane	2.68	64	85638	50.592	ug/l	99
7) Trichlorofluoromethane	3.00	101	181458	50.129	ug/l	98
8) Diethyl Ether	3.38	74	73610	50.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	104834	49.981	ug/l	99
10) Methyl Iodide	3.92	142	98059	52.539	ug/l	100
11) Tert butyl alcohol	4.73	59	105348	250.995	ug/l	100
12) 1,1-Dichloroethene	3.72	96	109867	48.811	ug/l	97
13) Acrolein	3.58	56	107453	230.994	ug/l	100
14) Allyl chloride	4.29	41	191958	48.489	ug/l	97
15) Acrylonitrile	4.94	53	318302	257.895	ug/l	100
16) Acetone	3.78	43	257225	254.447	ug/l	99
17) Carbon Disulfide	4.03	76	335798	49.054	ug/l	100
18) Methyl Acetate	4.29	43	143112	50.295	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	381840	49.342	ug/l	98
20) Methylene Chloride	4.52	84	123788	49.778	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	117813	49.111	ug/l	96
22) Diisopropyl ether	5.92	45	425151	50.833	ug/l	97
23) Vinyl Acetate	5.86	43	1786404	261.781	ug/l	100
24) 1,1-Dichloroethane	5.82	63	228994	50.224	ug/l	99
25) 2-Butanone	6.80	43	427577	261.381	ug/l	100
26) 2,2-Dichloropropane	6.80	77	170789	47.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	135810	49.819	ug/l	100
28) Bromochloromethane	7.17	49	110553	50.679	ug/l	100
29) Tetrahydrofuran	7.18	42	293976	253.992	ug/l	100
30) Chloroform	7.35	83	219841	50.296	ug/l	97
31) Cyclohexane	7.63	56	219835	47.826	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	186897	49.600	ug/l	98
36) 1,1-Dichloropropene	7.77	75	172332	50.950	ug/l	100
37) Ethyl Acetate	6.90	43	184343	50.440	ug/l	98
38) Carbon Tetrachloride	7.75	117	153447	50.618	ug/l	100

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39) Methylcyclohexane	9.07	83	200429	49.864	ug/l	99
40) Benzene	8.02	78	513934	50.334	ug/l	99
41) Methacrylonitrile	7.15	41	88009m	56.426	ug/l	
42) 1,2-Dichloroethane	8.10	62	176681	50.633	ug/l	99
43) Isopropyl Acetate	8.14	43	311183	51.629	ug/l	99
44) Trichloroethene	8.82	130	131419	51.057	ug/l	100
45) 1,2-Dichloropropane	9.10	63	137853	51.166	ug/l	98
46) Dibromomethane	9.19	93	82876	50.881	ug/l	99
47) Bromodichloromethane	9.39	83	172968	51.103	ug/l	98
48) Methyl methacrylate	9.18	41	137549	51.257	ug/l	98
49) 1,4-Dioxane	9.18	88	32276	1011.881	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	914817	266.725	ug/l	100
52) Toluene	10.14	92	311711	50.549	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	200463	51.560	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	214700	50.337	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	119754	50.480	ug/l	100
56) Ethyl methacrylate	10.42	69	195185	52.767	ug/l	100
57) 1,3-Dichloropropane	10.70	76	209321	50.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	502540	273.350	ug/l	100
59) 2-Hexanone	10.74	43	662152	268.004	ug/l	100
60) Dibromochloromethane	10.89	129	125560	51.239	ug/l	100
61) 1,2-Dibromoethane	11.00	107	123446	51.749	ug/l	99
64) Tetrachloroethene	10.62	164	125671	49.928	ug/l	99
65) Chlorobenzene	11.43	112	316720	49.948	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	117019	50.970	ug/l	98
67) Ethyl Benzene	11.50	91	595039	50.461	ug/l	99
68) m/p-Xylenes	11.62	106	443773	101.272	ug/l	100
69) o-Xylene	11.94	106	212510	50.802	ug/l	100
70) Styrene	11.96	104	355187	51.917	ug/l	100
71) Bromoform	12.12	173	89267	46.890	ug/l #	99
73) Isopropylbenzene	12.24	105	564825	49.609	ug/l	100
74) N-amyl acetate	12.06	43	273255	51.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171811	49.901	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	155803m	47.593	ug/l	
77) Bromobenzene	12.52	156	135166	49.268	ug/l	99
78) n-propylbenzene	12.59	91	668140	49.671	ug/l	99
79) 2-Chlorotoluene	12.67	91	389095	48.412	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	474127	49.071	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62652	49.153	ug/l	98
82) 4-Chlorotoluene	12.77	91	403820	49.333	ug/l	100
83) tert-Butylbenzene	12.99	119	391927	48.933	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	477178	49.921	ug/l	100
85) sec-Butylbenzene	13.17	105	531621	49.359	ug/l	99
86) p-Isopropyltoluene	13.28	119	474555	48.999	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	239408	49.477	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	237785	48.913	ug/l	99
89) n-Butylbenzene	13.61	91	431243	49.318	ug/l	100
90) Hexachloroethane	13.87	117	68925	48.959	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229755	49.658	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35206	48.812	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142726	50.233	ug/l	99
94) Hexachlorobutadiene	15.01	225	64010	45.956	ug/l	99
95) Naphthalene	15.13	128	433695	50.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	134958	48.224	ug/l	99

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

