

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060576.D
 Acq On : 18 Mar 2020 00:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:32:16 PM

Quant Time: Mar 18 09:01:58 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	210175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152460	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	137795	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	7.56	113	101708	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	10.08	98	417047	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.39	95	150995	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	102810	50.555	ug/l	100
3) Chloromethane	2.03	50	177413	46.710	ug/l	99
4) Vinyl Chloride	2.16	62	144877	48.768	ug/l	98
5) Bromomethane	2.54	94	61458	47.923	ug/l	99
6) Chloroethane	2.68	64	83772	48.952	ug/l	99
7) Trichlorofluoromethane	3.00	101	182094	49.759	ug/l	98
8) Diethyl Ether	3.38	74	73503	49.998	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104372	49.220	ug/l	99
10) Methyl Iodide	3.93	142	103028	54.602	ug/l	100
11) Tert butyl alcohol	4.73	59	100861	237.697	ug/l	100
12) 1,1-Dichloroethene	3.72	96	109613	48.170	ug/l	97
13) Acrolein	3.57	56	111208	236.473	ug/l	98
14) Allyl chloride	4.29	41	186613	46.628	ug/l	100
15) Acrylonitrile	4.94	53	309678	248.186	ug/l	100
16) Acetone	3.78	43	245825	240.532	ug/l	99
17) Carbon Disulfide	4.03	76	340260	49.166	ug/l	100
18) Methyl Acetate	4.28	43	138805	48.252	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	377137	48.205	ug/l	99
20) Methylene Chloride	4.52	84	122329	48.657	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	117998	48.654	ug/l	96
22) Diisopropyl ether	5.91	45	419373	49.598	ug/l	99
23) Vinyl Acetate	5.86	43	1747458	253.296	ug/l	100
24) 1,1-Dichloroethane	5.82	63	230510	50.008	ug/l	99
25) 2-Butanone	6.80	43	409454	247.587	ug/l	99
26) 2,2-Dichloropropane	6.79	77	156854	43.250	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	134723	48.884	ug/l	100
28) Bromochloromethane	7.17	49	108007	48.975	ug/l	99
29) Tetrahydrofuran	7.18	42	282915	241.784	ug/l	99
30) Chloroform	7.35	83	217193	49.151	ug/l	100
31) Cyclohexane	7.63	56	218162	46.947	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	189210	49.669	ug/l	99
36) 1,1-Dichloropropene	7.77	75	172565	50.361	ug/l	99
37) Ethyl Acetate	6.90	43	178567	48.229	ug/l	99
38) Carbon Tetrachloride	7.75	117	153947	50.128	ug/l	97

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39) Methylcyclohexane	9.07	83	200410	49.216	ug/l	99
40) Benzene	8.02	78	511141	49.415	ug/l	99
41) Methacrylonitrile	7.15	41	77569m	49.091	ug/l	
42) 1,2-Dichloroethane	8.10	62	175645	49.687	ug/l	99
43) Isopropyl Acetate	8.14	43	303105	49.640	ug/l	100
44) Trichloroethene	8.82	130	130347	49.988	ug/l	98
45) 1,2-Dichloropropane	9.10	63	137069	50.219	ug/l	100
46) Dibromomethane	9.19	93	83427	50.559	ug/l	100
47) Bromodichloromethane	9.39	83	173046	50.466	ug/l	99
48) Methyl methacrylate	9.18	41	134692	49.545	ug/l	99
49) 1,4-Dioxane	9.18	88	33605	1039.958	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	878378	252.797	ug/l	100
52) Toluene	10.14	92	312358	50.001	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	196171	49.806	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	212050	49.074	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	119941	49.906	ug/l	99
56) Ethyl methacrylate	10.42	69	195257	52.106	ug/l	100
57) 1,3-Dichloropropane	10.70	76	209212	50.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	494136	265.312	ug/l	100
59) 2-Hexanone	10.74	43	634895	253.658	ug/l	100
60) Dibromochloromethane	10.89	129	125986	50.749	ug/l	99
61) 1,2-Dibromoethane	10.99	107	124253	51.415	ug/l	99
64) Tetrachloroethene	10.62	164	126323	49.723	ug/l	99
65) Chlorobenzene	11.43	112	317135	49.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	116150	50.124	ug/l	99
67) Ethyl Benzene	11.50	91	598904	50.319	ug/l	99
68) m/p-Xylenes	11.61	106	445710	100.774	ug/l	100
69) o-Xylene	11.94	106	211775	50.158	ug/l	99
70) Styrene	11.96	104	353756	51.230	ug/l	100
71) Bromoform	12.12	173	90480	47.081	ug/l #	100
73) Isopropylbenzene	12.24	105	572497	50.037	ug/l	99
74) N-amyl acetate	12.06	43	264173	49.967	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168420	48.676	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	167083m	50.789	ug/l	
77) Bromobenzene	12.52	156	135692	49.217	ug/l	98
78) n-propylbenzene	12.59	91	670786	49.624	ug/l	99
79) 2-Chlorotoluene	12.67	91	392188	48.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	480530	49.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60845	47.501	ug/l	98
82) 4-Chlorotoluene	12.77	91	405517	49.297	ug/l	100
83) tert-Butylbenzene	12.99	119	398243	49.478	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	478486	49.812	ug/l	100
85) sec-Butylbenzene	13.17	105	541080	49.991	ug/l	100
86) p-Isopropyltoluene	13.28	119	481312	49.453	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	239895	49.335	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238613	48.842	ug/l	99
89) n-Butylbenzene	13.61	91	436492	49.673	ug/l	100
90) Hexachloroethane	13.87	117	72958	51.570	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229749	49.413	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34458	47.534	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	141620	49.600	ug/l	99
94) Hexachlorobutadiene	15.00	225	65802	47.011	ug/l	99
95) Naphthalene	15.13	128	426066	49.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137010	48.717	ug/l	99

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

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