

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062700.D
 Acq On : 31 Jul 2020 21:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 9:32:18 AM

Quant Time: Aug 01 06:18:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	234207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	229897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111801	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	122855	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.55	113	81094	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	10.06	98	318739	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.38	95	127745	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	80951	46.786	ug/l	99
3) Chloromethane	2.03	50	92245	39.308	ug/l	96
4) Vinyl Chloride	2.16	62	84046	41.313	ug/l	99
5) Bromomethane	2.49	94	50222	55.737	ug/l	95
6) Chloroethane	2.64	64	49490	53.780	ug/l	99
7) Trichlorofluoromethane	2.97	101	136997	57.355	ug/l	96
8) Diethyl Ether	3.37	74	52436	46.945	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	75674	49.414	ug/l	98
10) Methyl Iodide	3.91	142	100047	51.100	ug/l	93
11) Tert butyl alcohol	4.74	59	84358	235.333	ug/l	99
12) 1,1-Dichloroethene	3.69	96	73238	47.154	ug/l	98
13) Acrolein	3.56	56	66720	180.892	ug/l	99
14) Allyl chloride	4.27	41	144354	42.967	ug/l	94
15) Acrylonitrile	4.93	53	229450	238.978	ug/l	99
16) Acetone	3.77	43	190312	224.438	ug/l	100
17) Carbon Disulfide	4.00	76	209325	41.019	ug/l	100
18) Methyl Acetate	4.28	43	110783	51.607	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	290415	50.802	ug/l	99
20) Methylene Chloride	4.50	84	92388	45.428	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	77822	45.145	ug/l	98
22) Diisopropyl ether	5.90	45	299346	44.825	ug/l	95
23) Vinyl Acetate	5.84	43	1262081	230.648	ug/l	99
24) 1,1-Dichloroethane	5.79	63	170440	47.396	ug/l	99
25) 2-Butanone	6.79	43	302518	234.255	ug/l	98
26) 2,2-Dichloropropane	6.77	77	135893	46.033	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	91349	46.440	ug/l	99
28) Bromochloromethane	7.15	49	79775	45.077	ug/l	93
29) Tetrahydrofuran	7.17	42	202198	231.391	ug/l	95
30) Chloroform	7.33	83	173524	50.750	ug/l	99
31) Cyclohexane	7.61	56	140530	42.325	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	155287	54.397	ug/l	99
36) 1,1-Dichloropropene	7.75	75	123513	49.476	ug/l	99
37) Ethyl Acetate	6.88	43	126269	46.923	ug/l	100
38) Carbon Tetrachloride	7.73	117	136877	57.042	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	134137	49.916	ug/l	99
40) Benzene	8.00	78	357423	47.292	ug/l	99
41) Methacrylonitrile	7.14	41	63378m	54.953	ug/l	
42) 1,2-Dichloroethane	8.08	62	152340	55.135	ug/l	99
43) Isopropyl Acetate	8.13	43	216018	49.796	ug/l #	90
44) Trichloroethene	8.80	130	85542	50.190	ug/l	97
45) 1,2-Dichloropropane	9.08	63	99557	46.917	ug/l	99
46) Dibromomethane	9.17	93	64646	52.710	ug/l	98
47) Bromodichloromethane	9.37	83	140850	53.010	ug/l	99
48) Methyl methacrylate	9.17	41	106164	51.482	ug/l	97
49) 1,4-Dioxane	9.17	88	30662	968.095	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	679657	261.846	ug/l	99
52) Toluene	10.12	92	225879	51.470	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	157336	53.192	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	160346	50.520	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	89449	52.547	ug/l	99
56) Ethyl methacrylate	10.40	69	150067	49.128	ug/l	97
57) 1,3-Dichloropropane	10.68	76	161598	51.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	231828	251.557	ug/l	97
59) 2-Hexanone	10.72	43	501417	249.789	ug/l	99
60) Dibromochloromethane	10.87	129	106039	55.838	ug/l	98
61) 1,2-Dibromoethane	10.98	107	92113	51.966	ug/l	98
64) Tetrachloroethene	10.60	164	73500	49.207	ug/l	98
65) Chlorobenzene	11.41	112	240657	49.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	95011	52.402	ug/l	97
67) Ethyl Benzene	11.48	91	445285	50.389	ug/l	100
68) m/p-Xylenes	11.60	106	330687	104.113	ug/l	97
69) o-Xylene	11.92	106	157900	52.352	ug/l	97
70) Styrene	11.94	104	283791	55.700	ug/l	99
71) Bromoform	12.10	173	75156	55.207	ug/l #	100
73) Isopropylbenzene	12.22	105	443390	50.156	ug/l	99
74) N-amyl acetate	12.05	43	193465	49.004	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	141628	46.103	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	139549m	49.038	ug/l	
77) Bromobenzene	12.50	156	105761	49.782	ug/l	93
78) n-propylbenzene	12.57	91	524544	50.655	ug/l	100
79) 2-Chlorotoluene	12.65	91	318364	49.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	396599	54.085	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	49124	48.054	ug/l	95
82) 4-Chlorotoluene	12.75	91	326425	49.142	ug/l	99
83) tert-Butylbenzene	12.97	119	329185	54.062	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	388852	54.055	ug/l	98
85) sec-Butylbenzene	13.15	105	439666	53.934	ug/l	99
86) p-Isopropyltoluene	13.26	119	385522	54.986	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	188803	50.643	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	184908	50.384	ug/l	98
89) n-Butylbenzene	13.59	91	312124	51.811	ug/l	100
90) Hexachloroethane	13.85	117	75740	50.745	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	181011	50.777	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30898	55.398	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	85908	46.092	ug/l	98
94) Hexachlorobutadiene	14.98	225	59238	61.526	ug/l	99
95) Naphthalene	15.10	128	220473	44.769	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	86325	51.385	ug/l	99

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

