

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057238.D
 Acq On : 13 Aug 2019 00:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:07 AM

Quant Time: Aug 13 09:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1028880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1540195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1394607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	584392	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	557424	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	6.99	113	505484	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	9.56	98	1915370	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.92	95	649592	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.82	85	353521	42.750	ug/l	99
3) Chloromethane	2.00	50	429367	39.078	ug/l	98
4) Vinyl Chloride	2.11	62	422583	41.377	ug/l	100
5) Bromomethane	2.42	94	297160m	42.823	ug/l	
6) Chloroethane	2.55	64	294661	44.981	ug/l	99
7) Trichlorofluoromethane	2.82	101	686083	46.736	ug/l	98
8) Diethyl Ether	3.14	74	268652	47.367	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	405682	45.586	ug/l	98
10) Methyl Iodide	3.63	142	663328	49.325	ug/l	99
11) Tert butyl alcohol	4.24	59	368451	244.694	ug/l	100
12) 1,1-Dichloroethene	3.43	96	409768	46.805	ug/l	97
13) Acrolein	3.31	56	170051	178.517	ug/l	99
14) Allyl chloride	3.91	41	561877	44.162	ug/l	97
15) Acrylonitrile	4.44	53	1048112	257.190	ug/l	100
16) Acetone	3.47	43	792041	247.857	ug/l	97
17) Carbon Disulfide	3.72	76	1022231	43.890	ug/l	100
18) Methyl Acetate	3.89	43	498323	52.370	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1328315	50.257	ug/l	98
20) Methylene Chloride	4.10	84	484709	45.960	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	440347	46.173	ug/l	100
22) Diisopropyl ether	5.32	45	1317783	47.485	ug/l	98
23) Vinyl Acetate	5.26	43	5251046	247.095	ug/l	100
24) 1,1-Dichloroethane	5.25	63	799173	46.845	ug/l	98
25) 2-Butanone	6.20	43	1264262	258.947	ug/l	99
26) 2,2-Dichloropropane	6.21	77	445933	35.929	ug/l	96
27) cis-1,2-Dichloroethene	6.21	96	527585	48.289	ug/l	98
28) Bromochloromethane	6.58	49	393210	50.110	ug/l	99
29) Tetrahydrofuran	6.60	42	824221	250.604	ug/l	97
30) Chloroform	6.76	83	843653	47.780	ug/l	100
31) Cyclohexane	7.07	56	653163	42.556	ug/l	96
32) 1,1,1-Trichloroethane	6.98	97	724100	48.885	ug/l	100
36) 1,1-Dichloropropene	7.20	75	603502	47.590	ug/l	100
37) Ethyl Acetate	6.28	43	529362	50.639	ug/l #	99
38) Carbon Tetrachloride	7.18	117	649143	49.118	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	689003	44.678	ug/l	95
40) Benzene	7.46	78	1876333	46.738	ug/l	99
41) Methacrylonitrile	6.55	41	254897	48.003	ug/l	93
42) 1,2-Dichloroethane	7.54	62	619134	48.357	ug/l	100
43) Isopropyl Acetate	7.56	43	963401	54.004	ug/l	96
44) Trichloroethene	8.27	130	534191	47.496	ug/l	99
45) 1,2-Dichloropropane	8.56	63	489401	47.082	ug/l	99
46) Dibromomethane	8.65	93	327888	49.196	ug/l	98
47) Bromodichloromethane	8.85	83	651508	50.520	ug/l	98
48) Methyl methacrylate	8.64	41	414555	49.281	ug/l	99
49) 1,4-Dioxane	8.64	88	176293	1028.985	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	2651769	255.409	ug/l	100
52) Toluene	9.63	92	1191210	47.803	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	667957	49.579	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	736630	47.650	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	476419	48.618	ug/l	99
56) Ethyl methacrylate	9.90	69	700458	51.052	ug/l	99
57) 1,3-Dichloropropane	10.19	76	785053	48.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1009521	187.960	ug/l	98
59) 2-Hexanone	10.24	43	1876721	267.083	ug/l	99
60) Dibromochloromethane	10.39	129	548025	53.250	ug/l	100
61) 1,2-Dibromoethane	10.50	107	504295	49.872	ug/l	100
64) Tetrachloroethene	10.11	164	556142	47.951	ug/l	95
65) Chlorobenzene	10.93	112	1326600	47.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	521959	49.754	ug/l	100
67) Ethyl Benzene	11.01	91	2290213	47.422	ug/l	99
68) m/p-Xylenes	11.13	106	1728866	97.170	ug/l	100
69) o-Xylene	11.46	106	846208	47.788	ug/l	99
70) Styrene	11.48	104	1410488	50.998	ug/l	99
71) Bromoform	11.64	173	418745	54.491	ug/l #	99
73) Isopropylbenzene	11.77	105	2269435	47.550	ug/l	100
74) N-amyl acetate	11.59	43	691816	46.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.03	83	652347	51.298	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	551812m	48.278	ug/l	
77) Bromobenzene	12.05	156	611532	43.536	ug/l	97
78) n-propylbenzene	12.11	91	2371377	42.298	ug/l	100
79) 2-Chlorotoluene	12.20	91	1471829	47.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	1887055	41.826	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	176646	44.445	ug/l	96
82) 4-Chlorotoluene	12.30	91	1411947	43.496	ug/l	100
83) tert-Butylbenzene	12.52	119	1683656	47.223	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	1806228	41.419	ug/l	100
85) sec-Butylbenzene	12.70	105	2089347	41.036	ug/l	99
86) p-Isopropyltoluene	12.82	119	1836973	41.117	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	930615	46.537	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	869247	45.877	ug/l	100
89) n-Butylbenzene	13.15	91	1334054	43.220	ug/l	99
90) Hexachloroethane	13.41	117	347348	48.888	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	884051	44.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	87986	42.830	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	311092	38.305	ug/l	99
94) Hexachlorobutadiene	14.55	225	345652	49.565	ug/l	99
95) Naphthalene	14.67	128	630106	39.231	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	291925	35.235	ug/l	99

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

