

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057291.D
 Acq On : 14 Aug 2019 17:03
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:15 AM

Quant Time: Aug 15 08:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	873586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1276787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1144523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	196946	22.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.74%	
35) Dibromofluoromethane	7.58	113	169605	20.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.98%	
50) Toluene-d8	10.09	98	645424	21.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.80%	
62) 4-Bromofluorobenzene	12.40	95	205613	20.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152047	20.770	ug/l	97
3) Chloromethane	2.05	50	171411	20.634	ug/l	99
4) Vinyl Chloride	2.18	62	165543	20.565	ug/l	100
5) Bromomethane	2.54	94	127040m	22.399	ug/l	
6) Chloroethane	2.69	64	113568	21.768	ug/l	94
7) Trichlorofluoromethane	3.02	101	261674	20.576	ug/l	99
8) Diethyl Ether	3.40	74	99888	21.540	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156282	20.482	ug/l	99
10) Methyl Iodide	3.95	142	246633	20.846	ug/l	99
11) Tert butyl alcohol	4.76	59	134520	111.260	ug/l	100
12) 1,1-Dichloroethene	3.73	96	153245	20.193	ug/l	98
13) Acrolein	3.60	56	76562	92.008	ug/l	97
14) Allyl chloride	4.32	41	245205	21.189	ug/l	99
15) Acrylonitrile	4.97	53	383996	113.886	ug/l	99
16) Acetone	3.81	43	335291	110.897	ug/l	99
17) Carbon Disulfide	4.05	76	400272	19.385	ug/l	99
18) Methyl Acetate	4.31	43	193885	18.682	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	480482	21.075	ug/l	97
20) Methylene Chloride	4.54	84	179132	20.271	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	161623	20.017	ug/l	97
22) Diisopropyl ether	5.94	45	495025	21.683	ug/l	97
23) Vinyl Acetate	5.88	43	1988220	109.784	ug/l	99
24) 1,1-Dichloroethane	5.84	63	301625	21.087	ug/l	99
25) 2-Butanone	6.82	43	492299	113.425	ug/l	98
26) 2,2-Dichloropropane	6.81	77	248997	21.333	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	193881	20.781	ug/l	100
28) Bromochloromethane	7.18	49	141223	22.168	ug/l #	99
29) Tetrahydrofuran	7.20	42	312203	112.697	ug/l	98
30) Chloroform	7.36	83	307866	20.566	ug/l	97
31) Cyclohexane	7.65	56	261626	21.041	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	269490	21.291	ug/l	98
36) 1,1-Dichloropropene	7.79	75	226491	20.438	ug/l	98
37) Ethyl Acetate	6.92	43	201535	22.213	ug/l	99
38) Carbon Tetrachloride	7.76	117	232993	19.768	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	268613	20.504	ug/l	99
40) Benzene	8.03	78	702537	20.741	ug/l	99
41) Methacrylonitrile	7.17	41	98209m	25.913	ug/l	
42) 1,2-Dichloroethane	8.12	62	234206	21.525	ug/l	99
43) Isopropyl Acetate	8.16	43	355643	23.586	ug/l	100
44) Trichloroethene	8.83	130	194623	19.939	ug/l	98
45) 1,2-Dichloropropane	9.11	63	185311	21.560	ug/l	98
46) Dibromomethane	9.20	93	119806	20.727	ug/l	99
47) Bromodichloromethane	9.40	83	237073	21.231	ug/l	98
48) Methyl methacrylate	9.19	41	152016	21.984	ug/l	98
49) 1,4-Dioxane	9.19	88	65163	419.564	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	987139	112.412	ug/l	100
52) Toluene	10.15	92	440839	20.978	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	255143	21.366	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	287532	21.372	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172663	20.933	ug/l	99
56) Ethyl methacrylate	10.42	69	251888	21.636	ug/l	99
57) 1,3-Dichloropropane	10.70	76	289725	21.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	305615	104.382	ug/l	100
59) 2-Hexanone	10.75	43	706852	113.260	ug/l	100
60) Dibromochloromethane	10.90	129	192489	20.803	ug/l	99
61) 1,2-Dibromoethane	11.00	107	181830	21.216	ug/l	100
64) Tetrachloroethene	10.63	164	203314	20.207	ug/l	99
65) Chlorobenzene	11.43	112	472630	20.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	185121	20.566	ug/l	99
67) Ethyl Benzene	11.51	91	831558	20.850	ug/l	100
68) m/p-Xylenes	11.62	106	616170	41.358	ug/l	100
69) o-Xylene	11.95	106	304980	20.880	ug/l	99
70) Styrene	11.96	104	471976	20.903	ug/l	99
71) Bromoform	12.12	173	140069	20.243	ug/l #	97
73) Isopropylbenzene	12.25	105	822962	22.048	ug/l	100
74) N-amyl acetate	12.07	43	243949	22.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	233560	21.799	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	192367m	22.595	ug/l	
77) Bromobenzene	12.53	156	204713	20.149	ug/l	97
78) n-propylbenzene	12.59	91	795894	21.177	ug/l	100
79) 2-Chlorotoluene	12.67	91	516302	21.492	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	661090	21.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72160	23.782	ug/l	98
82) 4-Chlorotoluene	12.77	91	459634	20.902	ug/l	98
83) tert-Butylbenzene	12.99	119	591423	20.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	605479	21.390	ug/l	100
85) sec-Butylbenzene	13.17	105	705697	20.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	594761	20.158	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288449	20.753	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	259799	19.254	ug/l	98
89) n-Butylbenzene	13.62	91	448876	21.648	ug/l	100
90) Hexachloroethane	13.88	117	121823	21.129	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	282391	20.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28528	21.177	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69118	14.248	ug/l	98
94) Hexachlorobutadiene	15.01	225	126126	19.394	ug/l	98
95) Naphthalene	15.13	128	136862	14.364	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	69513	14.139	ug/l	100

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

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