

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062997.D
 Acq On : 18 Aug 2020 20:17
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:46:15 PM

Quant Time: Aug 19 06:00:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	181457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	266168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	258321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134510	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	219649	102.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.26%	
35) Dibromofluoromethane	7.55	113	180721	104.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.40%	
50) Toluene-d8	10.06	98	720134	108.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.20%	
62) 4-Bromofluorobenzene	12.38	95	265993	113.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	249968	116.343	ug/l	99
3) Chloromethane	2.03	50	281492	113.139	ug/l	100
4) Vinyl Chloride	2.16	62	268723	111.683	ug/l	98
5) Bromomethane	2.50	94	160320	112.256	ug/l	98
6) Chloroethane	2.65	64	159492	112.270	ug/l	99
7) Trichlorofluoromethane	2.97	101	316148	105.361	ug/l	98
8) Diethyl Ether	3.37	74	113344	106.776	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	159616	98.718	ug/l	99
10) Methyl Iodide	3.91	142	233435	113.901	ug/l	99
11) Tert butyl alcohol	4.74	59	162618	533.833	ug/l	100
12) 1,1-Dichloroethene	3.69	96	153427	99.610	ug/l	98
13) Acrolein	3.57	56	36213	379.469	ug/l	97
14) Allyl chloride	4.27	41	284746	104.848	ug/l	99
15) Acrylonitrile	4.93	53	493120	550.759	ug/l	99
16) Acetone	3.78	43	353904	483.249	ug/l	99
17) Carbon Disulfide	4.00	76	428671	106.269	ug/l	98
18) Methyl Acetate	4.28	43	213276	99.792	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	594560	110.686	ug/l	100
20) Methylene Chloride	4.50	84	196202	81.253	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	169258	105.004	ug/l	99
22) Diisopropyl ether	5.90	45	662883	107.561	ug/l	99
23) Vinyl Acetate	5.84	43	2202718	529.658	ug/l	99
24) 1,1-Dichloroethane	5.80	63	351874	102.175	ug/l	99
25) 2-Butanone	6.79	43	621794	544.592	ug/l	99
26) 2,2-Dichloropropane	6.77	77	274604	101.391	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	216489	107.152	ug/l	99
28) Bromochloromethane	7.15	49	185682	103.047	ug/l	98
29) Tetrahydrofuran	7.17	42	416607	565.357	ug/l	99
30) Chloroform	7.33	83	360076	103.817	ug/l	100
31) Cyclohexane	7.61	56	346858	109.430	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	296580	104.740	ug/l	98
36) 1,1-Dichloropropene	7.75	75	253870	108.232	ug/l	99
37) Ethyl Acetate	6.88	43	237170	107.641	ug/l	99
38) Carbon Tetrachloride	7.73	117	251656	106.270	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	345660	124.714	ug/l	99
40) Benzene	8.00	78	813397	109.336	ug/l	99
41) Methacrylonitrile	7.13	41	116868m	111.603	ug/l	
42) 1,2-Dichloroethane	8.09	62	266994	106.884	ug/l	99
43) Isopropyl Acetate	8.13	43	408710	112.246	ug/l #	92
44) Trichloroethene	8.80	130	198105	107.054	ug/l	96
45) 1,2-Dichloropropane	9.08	63	231986	107.879	ug/l	97
46) Dibromomethane	9.18	93	138486	111.476	ug/l	99
47) Bromodichloromethane	9.37	83	298638	109.756	ug/l	100
48) Methyl methacrylate	9.17	41	206153	119.660	ug/l	98
49) 1,4-Dioxane	9.17	88	84125	2505.028	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1350522	586.788	ug/l	100
52) Toluene	10.13	92	511937	114.074	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	328372	116.702	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	356078	115.360	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	209682	109.272	ug/l	99
56) Ethyl methacrylate	10.40	69	326587	126.035	ug/l	98
57) 1,3-Dichloropropane	10.68	76	352898	110.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	408287	657.417	ug/l	99
59) 2-Hexanone	10.72	43	971390	605.080	ug/l	100
60) Dibromochloromethane	10.88	129	235904	111.087	ug/l	100
61) 1,2-Dibromoethane	10.98	107	210890	114.377	ug/l	99
64) Tetrachloroethene	10.60	164	178603	105.181	ug/l	99
65) Chlorobenzene	11.41	112	560169	107.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	216061	107.071	ug/l	99
67) Ethyl Benzene	11.49	91	1030566	117.560	ug/l	100
68) m/p-Xylenes	11.60	106	772400	237.068	ug/l	99
69) o-Xylene	11.92	106	374114	119.574	ug/l	99
70) Styrene	11.94	104	671620	125.083	ug/l	99
71) Bromoform	12.10	173	181732	113.144	ug/l #	99
73) Isopropylbenzene	12.23	105	1004633	109.066	ug/l	100
74) N-amyl acetate	12.05	43	386640	117.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	314885	95.812	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	250323m	94.489	ug/l	
77) Bromobenzene	12.50	156	265020	104.612	ug/l	100
78) n-propylbenzene	12.57	91	1200466	114.339	ug/l	100
79) 2-Chlorotoluene	12.65	91	706393	106.967	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	878798	115.411	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	107939	113.384	ug/l	98
82) 4-Chlorotoluene	12.75	91	744174	110.667	ug/l	99
83) tert-Butylbenzene	12.97	119	750807	114.241	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	880457	118.690	ug/l	100
85) sec-Butylbenzene	13.15	105	1016397	114.432	ug/l	100
86) p-Isopropyltoluene	13.26	119	916256	118.391	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	474211	108.919	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	472745	106.980	ug/l	99
89) n-Butylbenzene	13.59	91	779000	119.273	ug/l	99
90) Hexachloroethane	13.85	117	169229	102.877	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	450281	107.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	53473	115.268	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	245796	133.765	ug/l	98
94) Hexachlorobutadiene	14.99	225	158762	102.160	ug/l	99
95) Naphthalene	15.10	128	573437	139.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	244473	132.475	ug/l	99

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

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