

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053398.D
 Acq On : 15 Jan 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:44 AM

Quant Time: Jan 16 03:03:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	885612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1338043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1215406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	570194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	173326	19.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.60%	
35) Dibromofluoromethane	7.59	113	147847	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
50) Toluene-d8	10.09	98	636276	19.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.40%	
62) 4-Bromofluorobenzene	12.40	95	216989	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147858	20.766	ug/l	99
3) Chloromethane	2.06	50	205406	20.177	ug/l	99
4) Vinyl Chloride	2.19	62	200561	20.438	ug/l	100
5) Bromomethane	2.55	94	132090	19.617	ug/l	99
6) Chloroethane	2.70	64	120034	20.231	ug/l	99
7) Trichlorofluoromethane	3.02	101	265212	20.662	ug/l	97
8) Diethyl Ether	3.41	74	101105	20.972	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	167116	20.558	ug/l	100
10) Methyl Iodide	3.96	142	245885	19.793	ug/l	100
11) Tert butyl alcohol	4.78	59	39833	92.998	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	159395	20.216	ug/l	99
13) Acrolein	3.61	56	73337	102.502	ug/l	99
14) Allyl chloride	4.33	41	263718	20.591	ug/l	96
15) Acrylonitrile	4.99	53	291796	103.517	ug/l	99
16) Acetone	3.81	43	206874	100.732	ug/l	98
17) Carbon Disulfide	4.06	76	476998	20.005	ug/l	99
18) Methyl Acetate	4.32	43	137489	19.870	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	431529	20.598	ug/l	100
20) Methylene Chloride	4.55	84	186898	19.933	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	173337	20.563	ug/l	99
22) Diisopropyl ether	5.95	45	561658	21.007	ug/l	97
23) Vinyl Acetate	5.90	43	1705276	103.757	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325831	20.615	ug/l	100
25) 2-Butanone	6.83	43	324575	102.558	ug/l	99
26) 2,2-Dichloropropane	6.82	77	244480	20.487	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	198407	20.583	ug/l	98
28) Bromochloromethane	7.19	49	134541	19.322	ug/l	99
29) Tetrahydrofuran	7.21	42	210885	102.357	ug/l	99
30) Chloroform	7.37	83	315904	20.514	ug/l	99
31) Cyclohexane	7.65	56	313066	20.220	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	268420	20.548	ug/l	99
36) 1,1-Dichloropropene	7.79	75	253174	20.776	ug/l	99
37) Ethyl Acetate	6.93	43	142941	20.221	ug/l	99
38) Carbon Tetrachloride	7.77	117	235722	20.432	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	308867	20.507	ug/l	99
40) Benzene	8.04	78	764795	20.653	ug/l	99
41) Methacrylonitrile	7.17	41	78179	17.885	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	221762	20.556	ug/l	100
43) Isopropyl Acetate	8.16	43	263480	20.016	ug/l #	90
44) Trichloroethene	8.83	130	211874	20.632	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198471	20.235	ug/l	99
46) Dibromomethane	9.21	93	114191	20.264	ug/l	99
47) Bromodichloromethane	9.40	83	239328	20.195	ug/l	99
48) Methyl methacrylate	9.20	41	132414	20.343	ug/l	100
49) 1,4-Dioxane	9.20	88	25744	404.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	714636	103.846	ug/l	100
52) Toluene	10.16	92	474269	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	243262	20.252	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	292054	20.741	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164671	20.777	ug/l	98
56) Ethyl methacrylate	10.43	69	205573	19.582	ug/l	99
57) 1,3-Dichloropropane	10.71	76	281709	20.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	560064	101.007	ug/l	99
59) 2-Hexanone	10.75	43	494937	102.453	ug/l	99
60) Dibromochloromethane	10.90	129	181562	20.197	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164428	20.513	ug/l	100
64) Tetrachloroethene	10.63	164	237762	20.758	ug/l	99
65) Chlorobenzene	11.43	112	534567	20.779	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	179115	20.013	ug/l	99
67) Ethyl Benzene	11.51	91	900207	20.532	ug/l	99
68) m/p-Xylenes	11.62	106	691163	41.754	ug/l	99
69) o-Xylene	11.95	106	332936	20.699	ug/l	99
70) Styrene	11.96	104	548455	21.009	ug/l	100
71) Bromoform	12.13	173	123956	20.118	ug/l #	100
73) Isopropylbenzene	12.25	105	886106	21.221	ug/l	99
74) N-amyl acetate	12.07	43	228072	20.490	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	182865	20.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158203m	22.037	ug/l	
77) Bromobenzene	12.53	156	231901	21.077	ug/l	98
78) n-propylbenzene	12.59	91	1019075	21.262	ug/l	99
79) 2-Chlorotoluene	12.67	91	598297	21.059	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	722189	21.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52753	19.401	ug/l	94
82) 4-Chlorotoluene	12.77	91	614685	21.216	ug/l	99
83) tert-Butylbenzene	12.99	119	641791	21.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	728629	21.270	ug/l	99
85) sec-Butylbenzene	13.17	105	866536	21.057	ug/l	100
86) p-Isopropyltoluene	13.29	119	756974	21.185	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	402478	20.795	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398150	20.508	ug/l	100
89) n-Butylbenzene	13.62	91	625962	20.552	ug/l	99
90) Hexachloroethane	13.87	117	111275	19.857	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	373901	20.999	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22122	19.923	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	138896	19.467	ug/l	98
94) Hexachlorobutadiene	15.01	225	118740	21.377	ug/l	98
95) Naphthalene	15.13	128	219003	18.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	92794	18.785	ug/l	98

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

