

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057552.D
 Acq On : 29 Aug 2019 16:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:41 AM

Quant Time: Aug 29 17:40:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	137857	18.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.84%	
35) Dibromofluoromethane	7.58	113	111633	23.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.10%	
50) Toluene-d8	10.09	98	420258	23.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.72%	
62) 4-Bromofluorobenzene	12.40	95	131051	21.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101182	20.492	ug/l	96
3) Chloromethane	2.06	50	94995	14.037	ug/l	94
4) Vinyl Chloride	2.19	62	145235	17.249	ug/l	99
5) Bromomethane	2.55	94	121392	21.929	ug/l	97
6) Chloroethane	2.70	64	92460	16.918	ug/l	100
7) Trichlorofluoromethane	3.01	101	308325	22.452	ug/l	100
8) Diethyl Ether	3.40	74	97618	19.289	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180561	23.406	ug/l #	86
10) Methyl Iodide	3.93	142	295117	40.955	ug/l	95
11) Tert butyl alcohol	4.80	59	69105	78.490	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	170740	23.019	ug/l #	73
13) Acrolein	3.59	56	60482	79.166	ug/l	96
14) Allyl chloride	4.30	41	124161	12.647	ug/l #	83
15) Acrylonitrile	4.98	53	173872	73.230	ug/l	99
16) Acetone	3.81	43	285600	81.130	ug/l	94
17) Carbon Disulfide	4.03	76	221130	16.502	ug/l	98
18) Methyl Acetate	4.31	43	87647	10.532	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	317124	18.400	ug/l	91
20) Methylene Chloride	4.53	84	100700	18.175	ug/l #	78
21) trans-1,2-Dichloroethene	5.02	96	102048	19.928	ug/l #	80
22) Diisopropyl ether	5.94	45	275808	14.241	ug/l #	88
23) Vinyl Acetate	5.88	43	1105672	72.717	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	177282	16.787	ug/l	97
25) 2-Butanone	6.83	43	231902	66.210	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	180156	19.138	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	122697	20.125	ug/l	83
28) Bromochloromethane	7.18	49	80210	14.719	ug/l #	60
29) Tetrahydrofuran	7.21	42	144912	63.365	ug/l #	73
30) Chloroform	7.36	83	212700	18.791	ug/l	97
31) Cyclohexane	7.64	56	162048	16.236	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	196433	20.742	ug/l	94
36) 1,1-Dichloropropene	7.78	75	148073	21.411	ug/l	95
37) Ethyl Acetate	6.92	43	96065	15.032	ug/l #	92
38) Carbon Tetrachloride	7.76	117	166034	23.433	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	185515	22.364	ug/l #	85
40) Benzene	8.03	78	448989	21.583	ug/l	99
41) Methacrylonitrile	7.16	41	39564	13.087	ug/l #	80
42) 1,2-Dichloroethane	8.11	62	159914	20.239	ug/l	96
43) Isopropyl Acetate	8.16	43	181035	15.358	ug/l #	89
44) Trichloroethene	8.83	130	122059	25.314	ug/l	87
45) 1,2-Dichloropropane	9.11	63	106189	18.651	ug/l	99
46) Dibromomethane	9.20	93	82641	21.959	ug/l #	89
47) Bromodichloromethane	9.40	83	169975	21.833	ug/l	95
48) Methyl methacrylate	9.19	41	80951	14.528	ug/l #	76
49) 1,4-Dioxane	9.20	88	32865	430.796	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	498255	76.102	ug/l	89
52) Toluene	10.15	92	292357	23.744	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	159915	19.768	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177059	19.744	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	113030	22.808	ug/l	97
56) Ethyl methacrylate	10.43	69	149192	19.875	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	176662	20.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	160387	90.367	ug/l #	84
59) 2-Hexanone	10.75	43	339465	75.448	ug/l	87
60) Dibromochloromethane	10.90	129	126555	23.637	ug/l	99
61) 1,2-Dibromoethane	11.00	107	117105	23.853	ug/l	97
64) Tetrachloroethene	10.63	164	124638	27.936	ug/l	92
65) Chlorobenzene	11.43	112	312080	24.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	120434	24.688	ug/l	98
67) Ethyl Benzene	11.51	91	566461	23.565	ug/l	97
68) m/p-Xylenes	11.62	106	419458	50.216	ug/l	94
69) o-Xylene	11.95	106	209901	25.476	ug/l	91
70) Styrene	11.96	104	321412	24.603	ug/l	96
71) Bromoform	12.13	173	81148	24.488	ug/l #	98
73) Isopropylbenzene	12.25	105	563994	19.296	ug/l	99
74) N-amyl acetate	12.07	43	141803	11.335	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.51	83	139039	16.585	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	116232m	17.933	ug/l	
77) Bromobenzene	12.53	156	125594	21.155	ug/l	73
78) n-propylbenzene	12.59	91	567102	18.427	ug/l	95
79) 2-Chlorotoluene	12.67	91	347385	18.942	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	459054	19.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35262	14.312	ug/l	92
82) 4-Chlorotoluene	12.77	91	327749	18.697	ug/l	94
83) tert-Butylbenzene	12.99	119	401721	19.421	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	437650	21.308	ug/l	98
85) sec-Butylbenzene	13.17	105	504629	20.016	ug/l	98
86) p-Isopropyltoluene	13.29	119	437187	21.011	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	192168	22.025	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	184729	21.719	ug/l	96
89) n-Butylbenzene	13.62	91	327325	18.992	ug/l	98
90) Hexachloroethane	13.88	117	84801	17.993	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	191751	23.044	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20888	15.480	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52140	17.131	ug/l	96
94) Hexachlorobutadiene	15.01	225	61073	23.538	ug/l	98
95) Naphthalene	15.13	128	154345	15.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	51310	16.271	ug/l	96

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

