

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058695.D
 Acq On : 11 Oct 2019 11:52
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:15 AM

Quant Time: Oct 12 00:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	29505	4.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.64%	
35) Dibromofluoromethane	7.57	113	19978	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
50) Toluene-d8	10.09	98	81626	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	29321	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25800	5.442	ug/l	99
3) Chloromethane	2.04	50	31046	5.877	ug/l	99
4) Vinyl Chloride	2.17	62	31070	5.984	ug/l	94
5) Bromomethane	2.54	94	20529m	7.196	ug/l	
6) Chloroethane	2.68	64	19808	6.352	ug/l	99
7) Trichlorofluoromethane	3.00	101	38430	6.202	ug/l	100
8) Diethyl Ether	3.39	74	14003	5.368	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22463	5.502	ug/l	98
10) Methyl Iodide	3.93	142	27390	5.768	ug/l	98
11) Tert butyl alcohol	4.76	59	24827	33.861	ug/l	99
12) 1,1-Dichloroethene	3.72	96	20605	5.177	ug/l	91
13) Acrolein	3.59	56	19204	58.325	ug/l	97
14) Allyl chloride	4.30	41	39360	5.344	ug/l	96
15) Acrylonitrile	4.97	53	60527	29.247	ug/l	98
16) Acetone	3.80	43	58185	26.943	ug/l	99
17) Carbon Disulfide	4.03	76	65251	6.048	ug/l	99
18) Methyl Acetate	4.30	43	31810	5.814	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	71189	5.034	ug/l	99
20) Methylene Chloride	4.53	84	25889	5.304	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	23011	5.180	ug/l	97
22) Diisopropyl ether	5.92	45	79860	5.090	ug/l #	87
23) Vinyl Acetate	5.87	43	321638	26.960	ug/l	99
24) 1,1-Dichloroethane	5.82	63	47452	5.384	ug/l	99
25) 2-Butanone	6.82	43	87058	29.119	ug/l	96
26) 2,2-Dichloropropane	6.80	77	41780	5.710	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	27002	5.226	ug/l	99
28) Bromochloromethane	7.18	49	15857	4.621	ug/l	98
29) Tetrahydrofuran	7.19	42	56481	29.622	ug/l	99
30) Chloroform	7.36	83	47060	5.292	ug/l	93
31) Cyclohexane	7.64	56	48091	5.625	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	39819	5.411	ug/l	98
36) 1,1-Dichloropropene	7.78	75	34902	5.276	ug/l	97
37) Ethyl Acetate	6.91	43	35137	6.051	ug/l	99
38) Carbon Tetrachloride	7.75	117	33983	5.616	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	39184	5.058	ug/l	99
40) Benzene	8.02	78	101935	5.364	ug/l	98
41) Methacrylonitrile	7.17	41	17686m	6.496	ug/l	
42) 1,2-Dichloroethane	8.11	62	39881	5.396	ug/l	100
43) Isopropyl Acetate	8.15	43	57793	5.374	ug/l #	93
44) Trichloroethene	8.82	130	25155	5.368	ug/l	98
45) 1,2-Dichloropropane	9.11	63	26410	5.176	ug/l	99
46) Dibromomethane	9.20	93	17058	5.268	ug/l	97
47) Bromodichloromethane	9.39	83	33234	5.374	ug/l	98
48) Methyl methacrylate	9.19	41	24853	5.087	ug/l	96
49) 1,4-Dioxane	9.19	88	8161	122.786	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	171543	30.459	ug/l	97
52) Toluene	10.15	92	59768	4.987	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	36855	5.459	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	39977	5.367	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	25131	5.740	ug/l	97
56) Ethyl methacrylate	10.43	69	32254	4.821	ug/l	93
57) 1,3-Dichloropropane	10.70	76	42499	5.439	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	76739	27.718	ug/l	99
59) 2-Hexanone	10.75	43	125379	30.234	ug/l	98
60) Dibromochloromethane	10.90	129	24044	5.687	ug/l	99
61) 1,2-Dibromoethane	11.00	107	24273	5.404	ug/l	99
64) Tetrachloroethene	10.63	164	23498	5.928	ug/l	95
65) Chlorobenzene	11.43	112	63983	5.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	22983	5.507	ug/l	96
67) Ethyl Benzene	11.51	91	112969	5.080	ug/l	99
68) m/p-Xylenes	11.62	106	81669	9.759	ug/l	100
69) o-Xylene	11.95	106	39362	4.900	ug/l	97
70) Styrene	11.97	104	60611	4.644	ug/l	97
71) Bromoform	12.13	173	15999	5.994	ug/l #	95
73) Isopropylbenzene	12.25	105	105663	5.112	ug/l	99
74) N-amyl acetate	12.07	43	43343	5.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	35487	5.701	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	33247m	6.353	ug/l	
77) Bromobenzene	12.53	156	26176	5.383	ug/l	97
78) n-propylbenzene	12.59	91	123802	5.294	ug/l	99
79) 2-Chlorotoluene	12.68	91	75978	5.268	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	89357	5.149	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10556	5.884	ug/l	86
82) 4-Chlorotoluene	12.78	91	76920	5.214	ug/l	99
83) tert-Butylbenzene	13.00	119	75736	5.171	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	87342	5.023	ug/l	99
85) sec-Butylbenzene	13.18	105	99613	5.150	ug/l	100
86) p-Isopropyltoluene	13.29	119	87575	5.121	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	46140	5.214	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	46975	5.344	ug/l	95
89) n-Butylbenzene	13.62	91	80147	5.143	ug/l	97
90) Hexachloroethane	13.88	117	16253	6.185	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	45165	5.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	8041	7.095	ug/l	88

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93) 1,2,4-Trichlorobenzene	14.92	180	24203	5.095	ug/l	95
94) Hexachlorobutadiene	15.01	225	14731	5.954	ug/l	99
95) Naphthalene	15.13	128	69592	5.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	24847	5.718	ug/l	98

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

