

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062969.D
 Acq On : 17 Aug 2020 13:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:46 AM

Quant Time: Aug 17 15:07:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	244165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	377465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	16830	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
35) Dibromofluoromethane	7.55	113	13265	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
50) Toluene-d8	10.06	98	49810	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
62) 4-Bromofluorobenzene	12.38	95	12911	3.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	8805	2.609	ug/l 95
3) Chloromethane	2.03	50	10821	3.367	ug/l 100
4) Vinyl Chloride	2.16	62	14227	4.478	ug/l 98
5) Bromomethane	2.51	94	10190	4.836	ug/l 99
6) Chloroethane	2.66	64	10927	5.244	ug/l 96
7) Trichlorofluoromethane	2.98	101	20436	3.777	ug/l 99
8) Diethyl Ether	3.37	74	6513	4.237	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	10619	4.396	ug/l 100
10) Methyl Iodide	3.91	142	13748	5.093	ug/l 99
11) Tert butyl alcohol	4.73	59	13472	22.159	ug/l # 79
12) 1,1-Dichloroethene	3.69	96	10011	4.368	ug/l 95
13) Acrolein	3.57	56	5842	15.483	ug/l 96
14) Allyl chloride	4.28	41	16372	3.966	ug/l 97
15) Acrylonitrile	4.93	53	26145	17.728	ug/l 97
16) Acetone	3.78	43	20191	14.701	ug/l 94
17) Carbon Disulfide	4.01	76	30440	4.510	ug/l 98
18) Methyl Acetate	4.28	43	13073	3.534	ug/l 94
19) Methyl tert-butyl Ether	4.99	73	29865	3.310	ug/l 97
20) Methylene Chloride	4.50	84	14045	4.798	ug/l 95
21) trans-1,2-Dichloroethene	4.99	96	11138	4.625	ug/l 95
22) Diisopropyl ether	5.90	45	40889	4.676	ug/l # 75
23) Vinyl Acetate	5.85	43	154308	23.335	ug/l 96
24) 1,1-Dichloroethane	5.79	63	26572	5.155	ug/l 99
25) 2-Butanone	6.79	43	42990	22.214	ug/l 94
26) 2,2-Dichloropropane	6.78	77	19660	4.232	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	15075	5.244	ug/l 90
28) Bromochloromethane	7.15	49	12714	5.101	ug/l # 84
29) Tetrahydrofuran	7.17	42	28109	22.306	ug/l 88
30) Chloroform	7.33	83	26347	4.850	ug/l 95
31) Cyclohexane	7.62	56	23951	5.097	ug/l # 80
32) 1,1,1-Trichloroethane	7.53	97	21163	4.417	ug/l 96
36) 1,1-Dichloropropene	7.75	75	18021	5.038	ug/l 94
37) Ethyl Acetate	6.89	43	18519	5.044	ug/l # 95
38) Carbon Tetrachloride	7.73	117	19293	4.573	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	19180	4.355	ug/l	94
40) Benzene	8.00	78	57959	5.335	ug/l	97
41) Methacrylonitrile	7.13	41	5927	3.665	ug/l #	68
42) 1,2-Dichloroethane	8.09	62	20467	4.613	ug/l	97
43) Isopropyl Acetate	8.13	43	27194	4.449	ug/l #	87
44) Trichloroethene	8.80	130	14773	5.490	ug/l	92
45) 1,2-Dichloropropane	9.08	63	16187	5.550	ug/l	99
46) Dibromomethane	9.18	93	10124	5.292	ug/l	91
47) Bromodichloromethane	9.37	83	20285	4.798	ug/l	97
48) Methyl methacrylate	9.17	41	13494	4.503	ug/l #	84
49) 1,4-Dioxane	9.17	88	4787	85.142	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	85950	21.769	ug/l	91
52) Toluene	10.13	92	33383	4.968	ug/l	96
53) t-1,3-Dichloropropene	10.36	75	18307	3.953	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	21447	4.539	ug/l #	89
55) 1,1,2-Trichloroethane	10.53	97	11667	4.054	ug/l	97
56) Ethyl methacrylate	10.40	69	14035	3.328	ug/l	100
57) 1,3-Dichloropropane	10.68	76	18396	3.825	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.67	63	20988	17.984	ug/l	92
59) 2-Hexanone	10.72	43	40000	13.653	ug/l	97
60) Dibromochloromethane	10.87	129	12276	3.768	ug/l	99
61) 1,2-Dibromoethane	10.98	107	11410	4.024	ug/l	96
64) Tetrachloroethene	10.60	164	11304	5.834	ug/l	96
65) Chlorobenzene	11.41	112	30101	4.883	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	11977	4.875	ug/l	96
67) Ethyl Benzene	11.48	91	47424	4.359	ug/l	96
68) m/p-Xylenes	11.60	106	36484	9.148	ug/l	98
69) o-Xylene	11.92	106	16916	4.536	ug/l	98
70) Styrene	11.94	104	27389	4.181	ug/l	98
71) Bromoform	12.10	173	9574	4.717	ug/l #	94
73) Isopropylbenzene	12.22	105	43966	4.614	ug/l	100
74) N-amyl acetate	12.05	43	13625	3.667	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.48	83	15648	4.670	ug/l	95
76) 1,2,3-Trichloropropane	12.53	75	14692m	4.391	ug/l	
77) Bromobenzene	12.50	156	12869	5.298	ug/l	97
78) n-propylbenzene	12.57	91	47780	4.287	ug/l	98
79) 2-Chlorotoluene	12.65	91	30874	4.438	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	36266	4.396	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	4413	4.059	ug/l	98
82) 4-Chlorotoluene	12.75	91	30202	4.204	ug/l	98
83) tert-Butylbenzene	12.97	119	32207	4.592	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	33533	4.246	ug/l	100
85) sec-Butylbenzene	13.15	105	41096	4.467	ug/l	100
86) p-Isopropyltoluene	13.26	119	34503	4.221	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	20968	4.871	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	21705	5.011	ug/l	96
89) n-Butylbenzene	13.59	91	26086	3.799	ug/l	96
90) Hexachloroethane	13.85	117	7991	4.569	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	19937	4.923	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2236	3.233	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6118	3.191	ug/l	98
94) Hexachlorobutadiene	14.99	225	8071	5.614	ug/l	97
95) Naphthalene	15.11	128	13130	2.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	6687	3.604	ug/l	99

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

