

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064426.D
 Acq On : 4 Nov 2020 10:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 10:59:34 AM

Quant Time: Nov 04 11:50:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	348869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	620881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	559682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222598	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	31473	5.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.02%	
35) Dibromofluoromethane	7.55	113	20218	4.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.76%	
50) Toluene-d8	10.06	98	76963	4.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.37	95	26697	4.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	22110	5.359	ug/l	91
3) Chloromethane	2.04	50	27397	5.984	ug/l	98
4) Vinyl Chloride	2.17	62	27317	6.122	ug/l	92
5) Bromomethane	2.53	94	19181	6.558	ug/l	93
6) Chloroethane	2.68	64	17654	6.485	ug/l	93
7) Trichlorofluoromethane	2.99	101	42729	5.850	ug/l	99
8) Diethyl Ether	3.37	74	14877	6.325	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21080	5.818	ug/l	90
10) Methyl Iodide	3.91	142	19024	4.024	ug/l	99
11) Tert butyl alcohol	4.75	59	14043	17.706	ug/l	99
12) 1,1-Dichloroethene	3.70	96	18663	5.454	ug/l	95
13) Acrolein	3.57	56	9083	37.811	ug/l	89
14) Allyl chloride	4.27	41	35104	5.036	ug/l #	91
15) Acrylonitrile	4.93	53	42507	23.740	ug/l	97
16) Acetone	3.78	43	50648	23.839	ug/l	94
17) Carbon Disulfide	4.01	76	51778	5.073	ug/l	98
18) Methyl Acetate	4.28	43	21468	5.028	ug/l	93
19) Methyl tert-butyl Ether	4.98	73	61743	4.737	ug/l	96
20) Methylene Chloride	4.50	84	22310	5.461	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	20633	5.355	ug/l	93
22) Diisopropyl ether	5.90	45	70679	5.091	ug/l #	87
23) Vinyl Acetate	5.84	43	281688	24.255	ug/l	100
24) 1,1-Dichloroethane	5.79	63	42211	5.482	ug/l	98
25) 2-Butanone	6.78	43	63238	21.947	ug/l	97
26) 2,2-Dichloropropane	6.78	77	35679	4.804	ug/l	79
27) cis-1,2-Dichloroethene	6.78	96	23015	5.231	ug/l	97
28) Bromochloromethane	7.14	49	20677	5.779	ug/l #	96
29) Tetrahydrofuran	7.17	42	35705	19.364	ug/l	97
30) Chloroform	7.33	83	42253	5.141	ug/l	97
31) Cyclohexane	7.61	56	40966	6.060	ug/l #	72
32) 1,1,1-Trichloroethane	7.53	97	36716	4.731	ug/l	99
36) 1,1-Dichloropropene	7.75	75	30668	4.790	ug/l	97
37) Ethyl Acetate	6.88	43	28823	4.513	ug/l #	75
38) Carbon Tetrachloride	7.73	117	31849	4.387	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	26598	4.260	ug/l	92
40) Benzene	8.00	78	92261	5.145	ug/l	99
41) Methacrylonitrile	7.13	41	12091	3.887	ug/l	93
42) 1,2-Dichloroethane	8.08	62	38358	5.023	ug/l	99
43) Isopropyl Acetate	8.12	43	47180	4.330	ug/l #	93
44) Trichloroethene	8.80	130	22804	4.926	ug/l	97
45) 1,2-Dichloropropane	9.08	63	23864	4.961	ug/l	91
46) Dibromomethane	9.17	93	15429	4.673	ug/l	94
47) Bromodichloromethane	9.37	83	34206	4.665	ug/l	95
48) Methyl methacrylate	9.16	41	23085	4.101	ug/l	96
49) 1,4-Dioxane	9.17	88	5949	73.358	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	132635	20.825	ug/l	98
52) Toluene	10.12	92	53212	4.710	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	32351	4.149	ug/l	91
54) cis-1,3-Dichloropropene	9.81	75	36591	4.563	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	21682	4.887	ug/l	96
56) Ethyl methacrylate	10.40	69	27296	4.081	ug/l	94
57) 1,3-Dichloropropane	10.68	76	35863	4.740	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	71183	20.456	ug/l	99
59) 2-Hexanone	10.72	43	91880	19.628	ug/l	96
60) Dibromochloromethane	10.87	129	21585	4.178	ug/l	97
61) 1,2-Dibromoethane	10.98	107	21009	4.676	ug/l	98
64) Tetrachloroethene	10.60	164	21660	4.715	ug/l	96
65) Chlorobenzene	11.40	112	58907	5.088	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	20988	4.532	ug/l	95
67) Ethyl Benzene	11.48	91	98203	4.566	ug/l	99
68) m/p-Xylenes	11.59	106	68099	8.558	ug/l	90
69) o-Xylene	11.92	106	34773	4.531	ug/l	99
70) Styrene	11.94	104	54443	4.328	ug/l	98
71) Bromoform	12.10	173	12392	3.480	ug/l #	95
73) Isopropylbenzene	12.22	105	87888	5.159	ug/l	100
74) N-amyl acetate	12.05	43	33426	4.469	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	25624	5.151	ug/l	97
76) 1,2,3-Trichloropropane	12.52	75	26036m	4.879	ug/l	
77) Bromobenzene	12.50	156	21469	5.192	ug/l	97
78) n-propylbenzene	12.56	91	95717	4.964	ug/l	97
79) 2-Chlorotoluene	12.65	91	62858	5.119	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	70504	4.914	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	8216	4.379	ug/l	89
82) 4-Chlorotoluene	12.75	91	63368	5.034	ug/l	97
83) tert-Butylbenzene	12.97	119	55971	4.799	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	68029	4.739	ug/l	97
85) sec-Butylbenzene	13.14	105	70353	4.646	ug/l	99
86) p-Isopropyltoluene	13.26	119	60865	4.474	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	36023	4.957	ug/l	97
88) 1,4-Dichlorobenzene	13.33	146	37035	5.003	ug/l	94
89) n-Butylbenzene	13.59	91	51530	4.295	ug/l	98
90) Hexachloroethane	13.85	117	12542	4.939	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	35951	4.974	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4809	4.035	ug/l	92

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93) 1,2,4-Trichlorobenzene	14.88	180	10263	2.954	ug/l	94
94) Hexachlorobutadiene	14.98	225	7028	3.350	ug/l	95
95) Naphthalene	15.10	128	30170	2.772	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	11206	3.340	ug/l	96

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

