

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052097.D
 Acq On : 1 Nov 2018 12:27
 Operator : MD\SY
 Sample : VN1101WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:22 AM

Quant Time: Nov 02 05:50:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	59599	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	354385	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	313098	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134147	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	145821	29.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.03%
63) Toluene-d8	10.09	98	441379	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	81087	20.371	ug/l 100
3) Chloromethane	2.06	50	93861	20.632	ug/l 100
4) Vinyl Chloride	2.19	62	91449	20.491	ug/l 99
5) Bromomethane	2.57	94	64359	21.128	ug/l 96
6) Chloroethane	2.71	64	57831	20.266	ug/l 95
7) Trichlorofluoromethane	3.02	101	122027	20.192	ug/l 93
8) Diethyl Ether	3.41	74	40075	19.639	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74620	21.126	ug/l 99
10) 1,1-Dichloroethene	3.74	96	67412	20.453	ug/l 98
11) Methyl Iodide	3.96	142	92686	19.450	ug/l 96
12) Methyl Acetate	4.32	43	58449	21.069	ug/l 97
13) Acrolein	3.60	56	28293	96.153	ug/l 98
14) Acrylonitrile	4.99	53	123141	100.095	ug/l 98
15) Acetone	3.82	58	30123	103.601	ug/l 98
16) Carbon Disulfide	4.06	76	191174	19.645	ug/l 99
17) Allyl chloride	4.33	41	109177	19.510	ug/l 95
18) Methylene Chloride	4.55	84	78143	19.209	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	74300	20.575	ug/l 96
20) Diisopropyl ether	5.95	45	245925	20.224	ug/l 95
21) 1,1-Dichloroethane	5.85	63	143460	20.187	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	84838	20.119	ug/l 99
23) tert-Butyl Alcohol	4.78	59	21437	111.838	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	193060	20.662	ug/l # 78
25) Chloroform	7.37	83	145200	20.349	ug/l 98
26) Cyclohexane	7.65	56	130338	20.460	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	112146	19.932	ug/l 99
30) 2-Butanone	6.84	43	151962	101.420	ug/l # 94
31) 2,2-Dichloropropane	6.82	77	114182	19.701	ug/l # 88
32) 1,1,1-Trichloroethane	7.57	97	121097	19.236	ug/l 97
33) Carbon Tetrachloride	7.78	117	104122	18.598	ug/l 97
34) Benzene	8.04	78	326340	19.809	ug/l 97
35) Methacrylonitrile	7.17	41	32935	16.026	ug/l # 70
36) 1,2-Dichloroethane	8.03	62	1790	0.325	ug/l 98
37) Trichloroethene	8.83	130	80794	19.595	ug/l 96
38) Methylcyclohexane	9.08	83	135200	19.698	ug/l 98
39) 1,2-Dichloropropane	9.12	63	86725	19.776	ug/l 94
40) Dibromomethane	9.21	93	51609	19.093	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	105955	19.158	ug/l	99
42) Vinyl Acetate	5.90	43	866723	98.809	ug/l	100
43) Ethyl Acetate	6.84	43	151962	20.181	ug/l #	87
44) Isopropyl Acetate	8.17	43	124070	19.901	ug/l	94
45) 1,4-Dioxane	9.20	88	11801	414.931	ug/l #	75
46) Methyl methacrylate	9.20	41	58636	18.894	ug/l	98
47) n-amyl Acetate	12.07	43	105706	18.705	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	102956	18.747	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	123154	19.429	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	71072	19.884	ug/l	97
51) Ethyl methacrylate	10.43	69	93628	20.268	ug/l	98
52) 1,3-Dichloropropane	10.71	76	122704	19.708	ug/l	99
53) Dibromochloromethane	10.90	129	70637	18.305	ug/l	97
54) 1,2-Dibromoethane	11.01	107	70553	19.465	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	252627	99.866	ug/l	99
56) Bromoform	12.13	173	38270	17.171	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	344455	102.669	ug/l	99
59) 2-Hexanone	10.75	43	235070	101.760	ug/l	99
61) Tetrachloroethene	10.63	164	69370	20.372	ug/l	91
62) Toluene	10.16	91	357660	20.349	ug/l	100
64) Chlorobenzene	11.43	112	216647	19.449	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	72934	19.237	ug/l	97
66) Ethyl Benzene	11.51	91	380348	20.034	ug/l	100
67) m/p-Xylenes	11.62	106	290996	39.812	ug/l	98
68) o-Xylene	11.95	106	140831	20.209	ug/l	97
69) Styrene	11.96	104	220005	19.592	ug/l	98
70) Isopropylbenzene	12.25	105	376164	20.108	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	83524	20.299	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	67700m	18.713	ug/l	
73) Bromobenzene	12.53	156	80926	19.523	ug/l	97
74) n-propylbenzene	12.59	91	426167	19.563	ug/l	98
75) 2-Chlorotoluene	12.67	91	248098	19.754	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	299493	19.965	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19925	17.601	ug/l	99
78) 4-Chlorotoluene	12.77	91	252956	20.000	ug/l	99
79) tert-butylbenzene	12.99	119	262049	20.054	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	302837	20.265	ug/l	99
81) sec-Butylbenzene	13.17	105	352054	19.577	ug/l	97
82) p-Isopropyltoluene	13.29	119	295048	19.415	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	142151	19.387	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	137297	18.916	ug/l	97
85) n-Butylbenzene	13.62	91	260943	19.839	ug/l	99
86) Hexachloroethane	13.87	117	45576	17.772	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	136225	19.555	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	11341	20.156	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	52875	18.698	ug/l	95
90) Hexachlorobutadiene	15.01	225	30319	19.597	ug/l	96
91) Naphthalene	15.13	128	132252	20.291	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	48910	19.845	ug/l	99

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

