

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052016.D
 Acq On : 25 Oct 2018 17:50
 Operator : MD\SY
 Sample : VN1025WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:20:09 AM

Quant Time: Oct 26 02:30:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	179193	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1006671	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	896506	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	301184	27.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.07%
60) 4-Bromofluorobenzene	12.40	95	370354	28.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.50%
63) Toluene-d8	10.09	98	1153603	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	149686	21.501	ug/l 100
3) Chloromethane	2.06	50	133158	18.098	ug/l 99
4) Vinyl Chloride	2.19	62	168861	15.368	ug/l 99
5) Bromomethane	2.58	94	171009	17.615	ug/l 88
6) Chloroethane	2.71	64	129598	16.366	ug/l 99
7) Trichlorofluoromethane	3.02	101	325385	20.772	ug/l 94
8) Diethyl Ether	3.41	74	93107	20.417	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199051	22.313	ug/l # 39
10) 1,1-Dichloroethene	3.74	96	177330	21.494	ug/l # 82
11) Methyl Iodide	3.96	142	304258	25.369	ug/l 96
12) Methyl Acetate	4.33	43	105404	20.574	ug/l 91
13) Acrolein	3.61	56	15707	46.533	ug/l 98
14) Acrylonitrile	4.99	53	230711	100.760	ug/l # 60
15) Acetone	3.82	58	54193	95.744	ug/l 97
16) Carbon Disulfide	4.06	76	382278	17.643	ug/l 98
17) Allyl chloride	4.33	41	163284	16.670	ug/l 66
18) Methylene Chloride	4.55	84	201219	21.813	ug/l # 85
19) trans-1,2-Dichloroethene	5.05	96	203094	21.559	ug/l # 80
20) Diisopropyl ether	5.95	45	427796	19.611	ug/l # 84
21) 1,1-Dichloroethane	5.86	63	313866	20.591	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	241077	21.787	ug/l # 77
23) tert-Butyl Alcohol	4.78	59	43141	71.539	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	455442	19.161	ug/l # 66
25) Chloroform	7.37	83	387003	21.401	ug/l 100
26) Cyclohexane	7.66	56	243246	18.823	ug/l # 66
29) 1,1-Dichloropropene	7.80	75	265825	20.486	ug/l 93
30) 2-Butanone	6.84	43	247369	91.208	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	275628	18.056	ug/l # 75
32) 1,1,1-Trichloroethane	7.57	97	346184	20.123	ug/l 94
33) Carbon Tetrachloride	7.78	117	311990	20.045	ug/l 91
34) Benzene	8.04	78	820985	21.389	ug/l # 65
35) Methacrylonitrile	7.18	41	49125	13.786	ug/l 73
36) 1,2-Dichloroethane	8.13	62	252954	20.568	ug/l # 95
37) Trichloroethene	8.84	130	258904	21.729	ug/l 95
38) Methylcyclohexane	9.08	83	316084	18.992	ug/l 77
39) 1,2-Dichloropropane	9.12	63	184156	20.373	ug/l 97
40) Dibromomethane	9.21	93	144855	21.592	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	275110	19.853	ug/l	98
42) Vinyl Acetate	5.90	43	1408586	92.260	ug/l #	88
43) Ethyl Acetate	6.93	43	113131	19.210	ug/l	97
44) Isopropyl Acetate	8.17	43	216916	18.441	ug/l	96
45) 1,4-Dioxane	9.20	88	27498	291.138	ug/l #	77
46) Methyl methacrylate	9.20	41	102261	18.848	ug/l	63
47) n-amyl Acetate	12.07	43	184984m	18.786	ug/l	
48) t-1,3-Dichloropropene	10.38	75	249748	18.482	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	288995	19.400	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	201365	21.724	ug/l	94
51) Ethyl methacrylate	10.43	69	203405	19.167	ug/l	83
52) 1,3-Dichloropropane	10.71	76	299411	20.929	ug/l	96
53) Dibromochloromethane	10.90	129	225029	19.624	ug/l	95
54) 1,2-Dibromoethane	11.00	107	202564	20.820	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	518428	114.276	ug/l #	90
56) Bromoform	12.13	173	131539	17.393	ug/l #	92
58) 4-Methyl-2-Pentanone	9.98	43	577163	96.204	ug/l #	85
59) 2-Hexanone	10.75	43	380902	94.110	ug/l #	87
61) Tetrachloroethene	10.63	164	245111	21.379	ug/l	97
62) Toluene	10.16	91	966231	21.695	ug/l	98
64) Chlorobenzene	11.43	112	648954	22.249	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	242815	21.688	ug/l	100
66) Ethyl Benzene	11.51	91	1040217	21.133	ug/l	98
67) m/p-Xylenes	11.62	106	849741	42.581	ug/l	93
68) o-Xylene	11.95	106	412785	20.982	ug/l	87
69) Styrene	11.96	104	652566	21.620	ug/l	94
70) Isopropylbenzene	12.25	105	1092934	20.833	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	201747	19.473	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	167825m	20.591	ug/l	
73) Bromobenzene	12.53	156	295252	22.721	ug/l	76
74) n-propylbenzene	12.59	91	1160040	20.557	ug/l	93
75) 2-Chlorotoluene	12.67	91	678538	20.510	ug/l	89
76) 1,3,5-Trimethylbenzene	12.73	105	881104	20.310	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	42323	15.701	ug/l	99
78) 4-Chlorotoluene	12.77	91	681078	20.953	ug/l	86
79) tert-butylbenzene	12.99	119	808333	20.261	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	888805	20.499	ug/l	95
81) sec-Butylbenzene	13.17	105	1044708	20.017	ug/l	95
82) p-Isopropyltoluene	13.29	119	936073	20.044	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	518995	22.635	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	490234	22.711	ug/l	98
85) n-Butylbenzene	13.61	91	682624	19.383	ug/l	95
86) Hexachloroethane	13.87	117	131719	16.357	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	477927	21.530	ug/l	94
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21144	13.666	ug/l #	54
89) 1,2,4-Trichlorobenzene	14.91	180	174363	19.629	ug/l	99
90) Hexachlorobutadiene	15.01	225	119128	16.653	ug/l	96
91) Naphthalene	15.13	128	329821	19.396	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	144811	14.338	ug/l	92

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

