

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052358.D
 Acq On : 16 Nov 2018 12:20
 Operator : MD\SY
 Sample : VN1116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:46:01 PM

Quant Time: Nov 16 23:24:56 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	43245	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	253027	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	218818	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111144	34.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.43%
60) 4-Bromofluorobenzene	12.40	95	101789	29.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.93%
63) Toluene-d8	10.09	98	312614	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57751	19.995 ug/l	98
3) Chloromethane	2.06	50	63825	19.335 ug/l	96
4) Vinyl Chloride	2.19	62	58362	18.023 ug/l	98
5) Bromomethane	2.57	94	21994	9.951 ug/l	100
6) Chloroethane	2.71	64	32186	15.545 ug/l	98
7) Trichlorofluoromethane	3.03	101	84775	19.332 ug/l	95
8) Diethyl Ether	3.42	74	29264	19.765 ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.77	101	50825	19.831 ug/l	97
10) 1,1-Dichloroethene	3.74	96	44714	18.697 ug/l	95
11) Methyl Iodide	3.96	142	36559	10.573 ug/l	98
12) Methyl Acetate	4.33	43	47198	23.447 ug/l	99
13) Acrolein	3.61	56	17950	84.072 ug/l	98
14) Acrylonitrile	4.99	53	95565	107.056 ug/l	90
15) Acetone	3.82	58	21622	102.486 ug/l	81
16) Carbon Disulfide	4.06	76	110051	15.585 ug/l	99
17) Allyl chloride	4.33	41	88661	21.835 ug/l	95
18) Methylene Chloride	4.56	84	55945	18.953 ug/l #	83
19) trans-1,2-Dichloroethene	5.05	96	48025	18.328 ug/l	96
20) Diisopropyl ether	5.95	45	205895	23.335 ug/l	93
21) 1,1-Dichloroethane	5.85	63	108678	21.076 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	57261	18.714 ug/l	90
23) tert-Butyl Alcohol	4.78	59	16082	115.629 ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	134364	19.818 ug/l	91
25) Chloroform	7.37	83	104820	20.245 ug/l	93
26) Cyclohexane	7.66	56	86956	18.812 ug/l #	88
29) 1,1-Dichloropropene	7.80	75	76126	18.950 ug/l	98
30) 2-Butanone	6.84	43	118557	110.821 ug/l #	78
31) 2,2-Dichloropropane	6.83	77	77649	18.764 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	87911	19.559 ug/l	96
33) Carbon Tetrachloride	7.78	117	74601	18.663 ug/l	99
34) Benzene	8.04	78	217538	18.494 ug/l #	93
35) Methacrylonitrile	7.17	41	26428	18.011 ug/l #	77
36) 1,2-Dichloroethane	8.12	62	84906	21.589 ug/l	97
37) Trichloroethene	8.83	130	54969	18.672 ug/l	88
38) Methylcyclohexane	9.08	83	82020	16.737 ug/l	94
39) 1,2-Dichloropropane	9.12	63	64533	20.610 ug/l	94
40) Dibromomethane	9.21	93	36148	18.730 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	78130	19.786	ug/l	99
42) Vinyl Acetate	5.90	43	660042	105.389	ug/l	96
43) Ethyl Acetate	6.84	43	118557	22.052	ug/l #	86
44) Isopropyl Acetate	8.17	43	104400	23.454	ug/l #	89
45) 1,4-Dioxane	9.20	88	7997	393.815	ug/l #	62
46) Methyl methacrylate	9.20	41	53945	24.346	ug/l	89
47) n-amyl Acetate	12.07	43	81679	20.243	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	74058	18.887	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	86230	19.053	ug/l #	85
50) 1,1,2-Trichloroethane	10.56	97	49156	19.261	ug/l	96
51) Ethyl methacrylate	10.43	69	62614	18.984	ug/l	78
52) 1,3-Dichloropropane	10.71	76	86623	19.486	ug/l	98
53) Dibromochloromethane	10.90	129	52259	18.968	ug/l	94
54) 1,2-Dibromoethane	11.00	107	48473	18.730	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	188109	104.149	ug/l	98
56) Bromoform	12.12	173	28799	18.098	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	275419	117.462	ug/l	94
59) 2-Hexanone	10.75	43	176009	109.022	ug/l	95
61) Tetrachloroethene	10.63	164	54887	23.064	ug/l	95
62) Toluene	10.16	91	233693	19.025	ug/l	100
64) Chlorobenzene	11.43	112	142085	18.251	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	53039	20.017	ug/l	100
66) Ethyl Benzene	11.51	91	253483	19.104	ug/l	96
67) m/p-Xylenes	11.62	106	184555	36.129	ug/l	96
68) o-Xylene	11.95	106	91192	18.724	ug/l	100
69) Styrene	11.96	104	146567	18.676	ug/l	97
70) Isopropylbenzene	12.25	105	246451	18.850	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	56750	19.734	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	48757m	19.283	ug/l	
73) Bromobenzene	12.53	156	56859	19.627	ug/l	94
74) n-propylbenzene	12.59	91	288124	18.925	ug/l	98
75) 2-Chlorotoluene	12.67	91	168241	19.167	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	202107	19.278	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	13110	16.571	ug/l	85
78) 4-Chlorotoluene	12.77	91	168201	19.029	ug/l	97
79) tert-butylbenzene	12.99	119	172650	18.906	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	200874	19.233	ug/l	100
81) sec-Butylbenzene	13.17	105	243586	19.382	ug/l	99
82) p-Isopropyltoluene	13.29	119	201719	18.993	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	99238	19.366	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	96763	19.075	ug/l	98
85) n-Butylbenzene	13.61	91	170732	18.573	ug/l	99
86) Hexachloroethane	13.87	117	35427	19.766	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	96728	19.868	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8614	21.906	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41912	21.207	ug/l	99
90) Hexachlorobutadiene	15.01	225	24067	22.259	ug/l	98
91) Naphthalene	15.13	128	90675	19.906	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	38150	22.149	ug/l	97

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

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