

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055261.D
 Acq On : 25 Apr 2019 23:29
 Operator : JC/SP
 Sample : VN0426WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0426WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:58:20 AM

Quant Time: Apr 26 05:46:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69933	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	378412	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319342	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165218	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	145174	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.09	98	470426	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72257	18.945	ug/l 99
3) Chloromethane	2.06	50	108087	20.264	ug/l 95
4) Vinyl Chloride	2.19	62	88993	20.472	ug/l 98
5) Bromomethane	2.56	94	50074	20.676	ug/l 99
6) Chloroethane	2.70	64	48809	20.155	ug/l 97
7) Trichlorofluoromethane	3.02	101	128404	20.092	ug/l 93
8) Diethyl Ether	3.41	74	50791	19.578	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78178	19.220	ug/l 98
10) 1,1-Dichloroethene	3.74	96	75437	19.920	ug/l 96
11) Methyl Iodide	3.96	142	113734	19.098	ug/l 99
12) Methyl Acetate	4.33	43	106519	19.380	ug/l 94
13) Acrolein	3.61	56	22546	92.211	ug/l 96
14) Acrylonitrile	4.99	53	185651	95.095	ug/l 99
15) Acetone	3.82	58	43384	92.243	ug/l 80
16) Carbon Disulfide	4.06	76	199266	19.360	ug/l 99
17) Allyl chloride	4.33	41	160669	19.702	ug/l 99
18) Methylene Chloride	4.55	84	93075	19.798	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	83499	20.238	ug/l 97
20) Diisopropyl ether	5.96	45	333861	20.081	ug/l 98
21) 1,1-Dichloroethane	5.85	63	173930	20.131	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	96009	20.087	ug/l 96
23) tert-Butyl Alcohol	4.79	59	37822m	94.892	ug/l
24) Methyl tert-Butyl Ether	5.05	73	241308	19.555	ug/l 99
25) Chloroform	7.37	83	163614	20.153	ug/l 96
26) Cyclohexane	7.65	56	145189	19.349	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	117371	19.571	ug/l 99
30) 2-Butanone	6.84	43	221029	90.943	ug/l 99
31) 2,2-Dichloropropane	6.83	77	96828	17.047	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	133966	20.095	ug/l 99
33) Carbon Tetrachloride	7.78	117	111505	20.059	ug/l 97
34) Benzene	8.04	78	364064	20.277	ug/l 98
35) Methacrylonitrile	7.19	41	63168m	22.536	ug/l
36) 1,2-Dichloroethane	8.13	62	127611	19.924	ug/l 100
37) Trichloroethene	8.83	130	87638	19.340	ug/l 98
38) Methylcyclohexane	9.08	83	118368	18.448	ug/l 99
39) 1,2-Dichloropropane	9.12	63	103366	20.112	ug/l 100
40) Dibromomethane	9.21	93	59284	19.907	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120620	19.916	ug/l	92
42) Vinyl Acetate	5.90	43	1112937	95.624	ug/l	100
43) Ethyl Acetate	6.93	43	97259	19.310	ug/l	99
44) Isopropyl Acetate	8.17	43	173228	18.690	ug/l	98
45) 1,4-Dioxane	9.20	88	18494	385.010	ug/l	97
46) Methyl methacrylate	9.20	41	80086	18.351	ug/l	99
47) n-amyl Acetate	12.07	43	110506	16.760	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	106740	17.911	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	130576	18.886	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	80788	19.902	ug/l	97
51) Ethyl methacrylate	10.43	69	99678	18.062	ug/l	100
52) 1,3-Dichloropropane	10.71	76	141724	19.718	ug/l	100
53) Dibromochloromethane	10.90	129	80123	19.086	ug/l	99
54) 1,2-Dibromoethane	11.00	107	76913	19.529	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	138934	83.525	ug/l	99
56) Bromoform	12.13	173	51318	18.652	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	481508	96.582	ug/l	99
59) 2-Hexanone	10.75	43	301422	94.444	ug/l	99
61) Tetrachloroethene	10.63	164	87246	21.054	ug/l	94
62) Toluene	10.16	91	372706	20.628	ug/l	100
64) Chlorobenzene	11.43	112	215633	20.145	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	83478	20.907	ug/l	96
66) Ethyl Benzene	11.51	91	386413	20.122	ug/l	99
67) m/p-Xylenes	11.62	106	285625	40.616	ug/l	99
68) o-Xylene	11.95	106	144673	20.613	ug/l	97
69) Styrene	11.96	104	213012	19.591	ug/l	100
70) Isopropylbenzene	12.25	105	382807	20.720	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104231	20.470	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	81673m	18.503	ug/l	
73) Bromobenzene	12.53	156	84891	19.330	ug/l	96
74) n-propylbenzene	12.59	91	407204	19.750	ug/l	99
75) 2-Chlorotoluene	12.67	91	256911	20.314	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	300710	19.834	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20407	17.370	ug/l	97
78) 4-Chlorotoluene	12.77	91	233036	19.383	ug/l	99
79) tert-butylbenzene	12.99	119	261143	19.996	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	279694	19.133	ug/l	97
81) sec-Butylbenzene	13.17	105	338728	19.621	ug/l	99
82) p-Isopropyltoluene	13.29	119	268093	18.721	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	137782	19.341	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	124965	18.585	ug/l	99
85) n-Butylbenzene	13.61	91	179638	16.452	ug/l	98
86) Hexachloroethane	13.87	117	47651	19.506	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	139464	19.564	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12543	16.829	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41126	14.580	ug/l	99
90) Hexachlorobutadiene	15.01	225	43043	18.023	ug/l	98
91) Naphthalene	15.13	128	88249	13.540	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	43960	14.938	ug/l	95

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

