

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052541.D
 Acq On : 29 Nov 2018 1:40
 Operator : MD\SY
 Sample : VN1128WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1128WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:33:01 AM

Quant Time: Nov 29 02:55:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	179137	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1046113	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	905149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	358939	29.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.03%
60) 4-Bromofluorobenzene	12.40	95	416147	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	1247607	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	182230	17.861	ug/l 99
3) Chloromethane	2.06	50	243131	17.969	ug/l 99
4) Vinyl Chloride	2.19	62	255835	18.734	ug/l 95
5) Bromomethane	2.58	94	149116	19.150	ug/l 98
6) Chloroethane	2.71	64	156799	19.307	ug/l 98
7) Trichlorofluoromethane	3.02	101	320125	18.994	ug/l 99
8) Diethyl Ether	3.41	74	120624	19.383	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	197314	18.468	ug/l 97
10) 1,1-Dichloroethene	3.74	96	192582	19.171	ug/l 97
11) Methyl Iodide	3.96	142	258890	18.562	ug/l 100
12) Methyl Acetate	4.33	43	159339	18.668	ug/l 98
13) Acrolein	3.61	56	88692	88.460	ug/l 98
14) Acrylonitrile	4.99	53	343041	94.325	ug/l 97
15) Acetone	3.82	58	73314	77.841	ug/l 97
16) Carbon Disulfide	4.06	76	559655	17.597	ug/l 100
17) Allyl chloride	4.33	41	303091	17.301	ug/l 98
18) Methylene Chloride	4.55	84	225500	19.387	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	209979	19.423	ug/l 96
20) Diisopropyl ether	5.95	45	692659	18.814	ug/l 97
21) 1,1-Dichloroethane	5.85	63	405406	19.320	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	243493	19.653	ug/l 96
23) tert-Butyl Alcohol	4.78	59	57682	106.620	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	532710	20.214	ug/l 100
25) Chloroform	7.37	83	395347	19.529	ug/l 100
26) Cyclohexane	7.66	56	359659	18.173	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	299306	18.736	ug/l 99
30) 2-Butanone	6.83	43	377762	88.371	ug/l 99
31) 2,2-Dichloropropane	6.83	77	240683	16.365	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	321812	19.360	ug/l 97
33) Carbon Tetrachloride	7.78	117	273285	18.790	ug/l 99
34) Benzene	8.04	78	916696	19.086	ug/l 98
35) Methacrylonitrile	7.17	41	96352	18.167	ug/l 96
36) 1,2-Dichloroethane	8.13	62	279425	19.199	ug/l 100
37) Trichloroethene	8.84	130	238774	19.605	ug/l 98
38) Methylcyclohexane	9.08	83	355233	17.963	ug/l 97
39) 1,2-Dichloropropane	9.12	63	240883	18.710	ug/l 97
40) Dibromomethane	9.21	93	137147	19.712	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	291002	18.931	ug/l	99
42) Vinyl Acetate	5.90	43	2112986	91.357	ug/l	98
43) Ethyl Acetate	6.93	43	165275	18.183	ug/l #	69
44) Isopropyl Acetate	8.17	43	315284	19.777	ug/l	98
45) 1,4-Dioxane	9.20	88	36077	413.676	ug/l	93
46) Methyl methacrylate	9.20	41	156436	18.900	ug/l	96
47) n-amyl Acetate	12.07	43	243081	18.391	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	267886	17.973	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	330292	18.189	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	196216	19.896	ug/l	98
51) Ethyl methacrylate	10.43	69	242746	19.598	ug/l	98
52) 1,3-Dichloropropane	10.71	76	336136	19.148	ug/l	99
53) Dibromochloromethane	10.90	129	205333	18.911	ug/l	97
54) 1,2-Dibromoethane	11.01	107	192127	19.936	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	730008	100.685	ug/l	99
56) Bromoform	12.13	173	132971	18.736	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	868778	99.004	ug/l	98
59) 2-Hexanone	10.75	43	565259	94.297	ug/l	98
61) Tetrachloroethene	10.63	164	235757	21.148	ug/l	95
62) Toluene	10.16	91	985778	19.756	ug/l	100
64) Chlorobenzene	11.44	112	603724	19.823	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	208822	19.753	ug/l	99
66) Ethyl Benzene	11.51	91	1051502	19.552	ug/l	99
67) m/p-Xylenes	11.62	106	799327	39.895	ug/l	98
68) o-Xylene	11.95	106	388861	19.997	ug/l	100
69) Styrene	11.97	104	614072	19.564	ug/l	100
70) Isopropylbenzene	12.25	105	1037134	20.045	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	223199	19.831	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	193011m	19.977	ug/l	
73) Bromobenzene	12.53	156	251029	20.060	ug/l	96
74) n-propylbenzene	12.59	91	1160580	19.251	ug/l	99
75) 2-Chlorotoluene	12.68	91	691374	19.758	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	836864	20.025	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	51514	16.878	ug/l	96
78) 4-Chlorotoluene	12.77	91	679431	19.443	ug/l	99
79) tert-butylbenzene	12.99	119	737554	20.265	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	834613	19.958	ug/l	100
81) sec-Butylbenzene	13.17	105	976940	19.271	ug/l	100
82) p-Isopropyltoluene	13.29	119	845800	19.594	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	436424	19.829	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	420042	19.754	ug/l	99
85) n-Butylbenzene	13.62	91	674997	18.204	ug/l	99
86) Hexachloroethane	13.88	117	133911	18.309	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	426546	20.366	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31119	19.738	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	198383	19.226	ug/l	99
90) Hexachlorobutadiene	15.01	225	129451	19.124	ug/l	100
91) Naphthalene	15.14	128	416182	19.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	189589	19.937	ug/l	97

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

