

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052581.D
 Acq On : 29 Nov 2018 23:17
 Operator : MD\SY
 Sample : VN1129WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:04:24 AM

Quant Time: Nov 30 04:10:15 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	174927	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1009757	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	876528	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	354446	29.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.13%
60) 4-Bromofluorobenzene	12.40	95	396085	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	10.09	98	1207577	29.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.03%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	178597	17.927 ug/l	100
3) Chloromethane	2.06	50	232828	17.622 ug/l	97
4) Vinyl Chloride	2.19	62	247025	18.524 ug/l	97
5) Bromomethane	2.58	94	149136	19.614 ug/l	97
6) Chloroethane	2.71	64	148758	18.758 ug/l	99
7) Trichlorofluoromethane	3.02	101	311635	18.935 ug/l	98
8) Diethyl Ether	3.41	74	116870	19.231 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	191150	18.322 ug/l	97
10) 1,1-Dichloroethene	3.74	96	187897	19.155 ug/l	97
11) Methyl Iodide	3.96	142	266091	19.537 ug/l	97
12) Methyl Acetate	4.33	43	156029	18.720 ug/l	100
13) Acrolein	3.61	56	88805	90.705 ug/l	100
14) Acrylonitrile	4.99	53	337638	95.074 ug/l	99
15) Acetone	3.82	58	76480	83.157 ug/l	96
16) Carbon Disulfide	4.06	76	541688	17.442 ug/l	99
17) Allyl chloride	4.33	41	308733	18.047 ug/l	96
18) Methylene Chloride	4.55	84	215944	19.013 ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	202006	19.135 ug/l	94
20) Diisopropyl ether	5.95	45	670870	18.661 ug/l	99
21) 1,1-Dichloroethane	5.85	63	388860	18.978 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	230681	19.067 ug/l	98
23) tert-Butyl Alcohol	4.78	59	55553	105.156 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	508463	19.758 ug/l	100
25) Chloroform	7.37	83	379545	19.200 ug/l	100
26) Cyclohexane	7.65	56	347891	18.001 ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	290434	18.835 ug/l	99
30) 2-Butanone	6.83	43	370401	89.769 ug/l	99
31) 2,2-Dichloropropane	6.83	77	242634	17.092 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	310626	19.360 ug/l	98
33) Carbon Tetrachloride	7.78	117	266419	18.977 ug/l	100
34) Benzene	8.04	78	881456	19.013 ug/l	100
35) Methacrylonitrile	7.17	41	92989	18.164 ug/l	97
36) 1,2-Dichloroethane	8.13	62	269475	19.182 ug/l	99
37) Trichloroethene	8.84	130	227011	19.310 ug/l	98
38) Methylcyclohexane	9.08	83	342152	17.924 ug/l	97
39) 1,2-Dichloropropane	9.12	63	230442	18.543 ug/l	97
40) Dibromomethane	9.21	93	130653	19.455 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	279779	18.856	ug/l	99
42) Vinyl Acetate	5.90	43	2079551	93.149	ug/l	98
43) Ethyl Acetate	6.93	43	165223	18.831	ug/l #	72
44) Isopropyl Acetate	8.17	43	308951	20.078	ug/l #	80
45) 1,4-Dioxane	9.20	88	36352	431.837	ug/l	95
46) Methyl methacrylate	9.20	41	154646	19.356	ug/l	98
47) n-amyl Acetate	12.07	43	235148	18.431	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	261777	18.196	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	320212	18.269	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	187352	19.681	ug/l	99
51) Ethyl methacrylate	10.43	69	233493	19.529	ug/l	95
52) 1,3-Dichloropropane	10.71	76	325352	19.201	ug/l	99
53) Dibromochloromethane	10.90	129	200347	19.116	ug/l	98
54) 1,2-Dibromoethane	11.01	107	182948	19.667	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	669861	95.716	ug/l	99
56) Bromoform	12.13	173	131627	19.214	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	850279	100.060	ug/l	99
59) 2-Hexanone	10.75	43	546450	94.136	ug/l	98
61) Tetrachloroethene	10.63	164	222169	20.580	ug/l	97
62) Toluene	10.16	91	931571	19.279	ug/l	100
64) Chlorobenzene	11.44	112	567276	19.234	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	198582	19.398	ug/l	99
66) Ethyl Benzene	11.51	91	986725	18.947	ug/l	98
67) m/p-Xylenes	11.62	106	744682	38.382	ug/l	99
68) o-Xylene	11.95	106	365277	19.397	ug/l	99
69) Styrene	11.97	104	579791	19.075	ug/l	100
70) Isopropylbenzene	12.25	105	969699	19.353	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217057	19.915	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	183198m	19.580	ug/l	
73) Bromobenzene	12.53	156	238728	19.700	ug/l	94
74) n-propylbenzene	12.59	91	1081533	18.526	ug/l	99
75) 2-Chlorotoluene	12.68	91	647068	19.095	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	778445	19.235	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	50144	16.966	ug/l	94
78) 4-Chlorotoluene	12.78	91	629626	18.606	ug/l	100
79) tert-butylbenzene	12.99	119	688118	19.524	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	777403	19.197	ug/l	100
81) sec-Butylbenzene	13.17	105	918865	18.717	ug/l	100
82) p-Isopropyltoluene	13.29	119	780610	18.674	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	401550	18.841	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	390303	18.954	ug/l	99
85) n-Butylbenzene	13.62	91	615562	17.143	ug/l	99
86) Hexachloroethane	13.88	117	128410	18.130	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	395910	19.520	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30143	19.743	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	179781	17.992	ug/l	99
90) Hexachlorobutadiene	15.01	225	123559	18.850	ug/l	100
91) Naphthalene	15.14	128	379112	18.788	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	178402	19.373	ug/l	96

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

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