

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052494.D
 Acq On : 27 Nov 2018 22:59
 Operator : MD\SY
 Sample : VN1127WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:32:31 AM

Quant Time: Nov 28 07:21:42 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	181642	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1061589	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	928357	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	364691	29.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.23%
60) 4-Bromofluorobenzene	12.40	95	419821	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	1287190	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	186957	18.07	ug/l	98
3) Chloromethane	2.06	50	251404	18.32	ug/l	100
4) Vinyl Chloride	2.19	62	259483	18.74	ug/l	97
5) Bromomethane	2.58	94	155748	19.73	ug/l	96
6) Chloroethane	2.71	64	160035	19.43	ug/l	99
7) Trichlorofluoromethane	3.02	101	324686	19.00	ug/l	100
8) Diethyl Ether	3.41	74	123774	19.61	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	199918	18.45	ug/l	99
10) 1,1-Dichloroethene	3.74	96	197640	19.40	ug/l	96
11) Methyl Iodide	3.96	142	279546	19.77	ug/l	99
12) Methyl Acetate	4.33	43	163639	18.91	ug/l	97
13) Acrolein	3.61	56	94738	93.19	ug/l	97
14) Acrylonitrile	4.99	53	352115	95.49	ug/l	99
15) Acetone	3.82	58	79596	83.35	ug/l	96
16) Carbon Disulfide	4.06	76	571195	17.71	ug/l	99
17) Allyl chloride	4.33	41	327659	18.44	ug/l	99
18) Methylene Chloride	4.55	84	227780	19.31	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	210905	19.24	ug/l	97
20) Diisopropyl ether	5.95	45	710485	19.03	ug/l	100
21) 1,1-Dichloroethane	5.85	63	410478	19.29	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	245179	19.52	ug/l	98
23) tert-Butyl Alcohol	4.78	59	52243	95.23	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	540743	20.24	ug/l	98
25) Chloroform	7.37	83	401760	19.57	ug/l	100
26) Cyclohexane	7.65	56	369574	18.42	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	306984	18.94	ug/l	99
30) 2-Butanone	6.83	43	385485	88.86	ug/l	98
31) 2,2-Dichloropropane	6.82	77	256187	17.17	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	323723	19.19	ug/l	96
33) Carbon Tetrachloride	7.77	117	276733	18.75	ug/l	99
34) Benzene	8.04	78	929873	19.08	ug/l	98
35) Methacrylonitrile	7.17	41	83859	15.58	ug/l	97
36) 1,2-Dichloroethane	8.12	62	285137	19.31	ug/l	100
37) Trichloroethene	8.83	130	241092	19.51	ug/l	97
38) Methylcyclohexane	9.08	83	356486	17.76	ug/l	98
39) 1,2-Dichloropropane	9.12	63	246751	18.89	ug/l	97
40) Dibromomethane	9.21	93	136118	19.28	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	291257	18.67	ug/l	100
42) Vinyl Acetate	5.90	43	2180154	92.89	ug/l	98
43) Ethyl Acetate	6.93	43	174226	18.89	ug/l #	67
44) Isopropyl Acetate	8.17	43	320153	19.79	ug/l	97
45) 1,4-Dioxane	9.20	88	32958	372.40	ug/l	99
46) Methyl methacrylate	9.20	41	158587	18.88	ug/l	97
47) n-amyl Acetate	12.07	43	243716	18.17	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	274877	18.17	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	340618	18.48	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	197337	19.72	ug/l	98
51) Ethyl methacrylate	10.43	69	243833	19.40	ug/l	97
52) 1,3-Dichloropropane	10.71	76	346582	19.46	ug/l	99
53) Dibromochloromethane	10.90	129	207094	18.80	ug/l	98
54) 1,2-Dibromoethane	11.01	107	194573	19.90	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	691091	93.93	ug/l	98
56) Bromoform	12.13	173	137348	19.07	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	880825	97.87	ug/l	98
59) 2-Hexanone	10.75	43	570578	92.80	ug/l	98
61) Tetrachloroethene	10.63	164	237585	20.78	ug/l	97
62) Toluene	10.16	91	1014214	19.82	ug/l	99
64) Chlorobenzene	11.44	112	608014	19.46	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	205211	18.93	ug/l	98
66) Ethyl Benzene	11.51	91	1066748	19.34	ug/l	99
67) m/p-Xylenes	11.62	106	811572	39.49	ug/l	99
68) o-Xylene	11.95	106	396085	19.86	ug/l	100
69) Styrene	11.96	104	624990	19.41	ug/l	100
70) Isopropylbenzene	12.25	105	1038788	19.57	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	223042	19.32	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	189272m	19.10	ug/l	
73) Bromobenzene	12.53	156	254499	19.83	ug/l	96
74) n-propylbenzene	12.59	91	1174937	19.00	ug/l	99
75) 2-Chlorotoluene	12.68	91	697276	19.43	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	839449	19.58	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	54395	17.38	ug/l	98
78) 4-Chlorotoluene	12.77	91	683164	19.06	ug/l	100
79) tert-butylbenzene	12.99	119	744988	19.96	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	842216	19.64	ug/l	100
81) sec-Butylbenzene	13.17	105	1003057	19.29	ug/l	100
82) p-Isopropyltoluene	13.29	119	842072	19.02	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	432094	19.14	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	417352	19.14	ug/l	99
85) n-Butylbenzene	13.62	91	674731	17.74	ug/l	99
86) Hexachloroethane	13.88	117	135432	18.05	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	425716	19.82	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31064	19.21	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	190978	18.05	ug/l	99
90) Hexachlorobutadiene	15.01	225	131305	18.91	ug/l	98
91) Naphthalene	15.13	128	393912	18.43	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	180436	18.50	ug/l	98

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

