

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050502.D
 Acq On : 9 Aug 2018 22:52
 Operator : MD\SY
 Sample : VN0809WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0809WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:53:12 AM

Quant Time: Aug 10 07:48:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	137049	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	731916	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	642638	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	276435	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	12.40	95	292842	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	916791	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	143572	15.20	ug/l	97
3) Chloromethane	2.06	50	180962	18.58	ug/l	100
4) Vinyl Chloride	2.18	62	192981	18.62	ug/l	99
5) Bromomethane	2.57	94	110600	17.50	ug/l	97
6) Chloroethane	2.70	64	118198	19.28	ug/l	97
7) Trichlorofluoromethane	3.01	101	254930	18.82	ug/l	99
8) Diethyl Ether	3.41	74	88862	19.56	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158225	19.20	ug/l	98
10) 1,1-Dichloroethene	3.74	96	144780	19.81	ug/l	97
11) Methyl Iodide	3.95	142	75775	7.05	ug/l	98
12) Methyl Acetate	4.33	43	132504	15.83	ug/l	99
13) Acrolein	3.61	56	43638	84.36	ug/l	97
14) Acrylonitrile	5.00	53	266276	95.34	ug/l	98
15) Acetone	3.82	58	77072	103.83	ug/l	93
16) Carbon Disulfide	4.05	76	419716	18.77	ug/l	100
17) Allyl chloride	4.33	41	212842	18.44	ug/l	97
18) Methylene Chloride	4.55	84	169544	20.11	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	156850	20.05	ug/l	97
20) Diisopropyl ether	5.96	45	488702	20.65	ug/l	97
21) 1,1-Dichloroethane	5.85	63	299185	20.11	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	178539	20.58	ug/l	97
23) tert-Butyl Alcohol	4.80	59	53453	85.65	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	402378	20.19	ug/l	99
25) Chloroform	7.37	83	302559	20.09	ug/l	98
26) Cyclohexane	7.66	56	230199	19.47	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	220366	19.40	ug/l	100
30) 2-Butanone	6.84	43	369835	103.76	ug/l	97
31) 2,2-Dichloropropane	6.83	77	201914	16.08	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	258763	19.35	ug/l	99
33) Carbon Tetrachloride	7.78	117	226888	19.04	ug/l	100
34) Benzene	8.05	78	676084	19.60	ug/l	98
35) Methacrylonitrile	7.18	41	68730	16.94	ug/l	95
36) 1,2-Dichloroethane	8.13	62	215400	19.02	ug/l	100
37) Trichloroethene	8.84	130	182334	20.15	ug/l	96
38) Methylcyclohexane	9.08	83	217840	18.19	ug/l	98
39) 1,2-Dichloropropane	9.12	63	180050	19.81	ug/l	99
40) Dibromomethane	9.21	93	108036	19.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	227631	19.21	ug/l	96
42) Vinyl Acetate	5.90	43	1592461	94.94	ug/l	99
43) Ethyl Acetate	6.94	43	138044	18.55	ug/l #	92
44) Isopropyl Acetate	8.17	43	244678	17.75	ug/l	100
45) 1,4-Dioxane	9.20	88	32358	356.64	ug/l	97
46) Methyl methacrylate	9.20	41	114593	17.14	ug/l	98
47) n-amyl Acetate	12.07	43	191018	17.80	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	208849	18.49	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	251237	18.93	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	153773	19.07	ug/l	98
51) Ethyl methacrylate	10.43	69	179907	18.39	ug/l	98
52) 1,3-Dichloropropane	10.71	76	253836	19.17	ug/l	99
53) Dibromochloromethane	10.90	129	171760	18.77	ug/l	99
54) 1,2-Dibromoethane	11.01	107	148572	18.82	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	420987	95.06	ug/l	99
56) Bromoform	12.13	173	112530	17.42	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	853343	114.12	ug/l	98
59) 2-Hexanone	10.75	43	549190	107.65	ug/l	99
61) Tetrachloroethene	10.63	164	170043	19.54	ug/l	96
62) Toluene	10.16	91	729042	19.88	ug/l	99
64) Chlorobenzene	11.44	112	441524	19.86	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	169063	19.50	ug/l	99
66) Ethyl Benzene	11.51	91	731157	19.51	ug/l	99
67) m/p-Xylenes	11.62	106	575297	39.90	ug/l	99
68) o-Xylene	11.95	106	276770	20.17	ug/l	100
69) Styrene	11.97	104	442686	20.13	ug/l	99
70) Isopropylbenzene	12.25	105	728838	19.95	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	191215	19.06	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	152274m	17.77	ug/l	
73) Bromobenzene	12.53	156	190338	19.56	ug/l	99
74) n-propylbenzene	12.59	91	809798	19.03	ug/l	100
75) 2-Chlorotoluene	12.68	91	506283	19.81	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	600482	20.01	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38467	13.73	ug/l	89
78) 4-Chlorotoluene	12.77	91	497045	19.62	ug/l	98
79) tert-butylbenzene	12.99	119	506488	19.74	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	605343	19.91	ug/l	98
81) sec-Butylbenzene	13.17	105	659404	18.92	ug/l	100
82) p-Isopropyltoluene	13.29	119	565147	19.00	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	329800	19.46	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	315874	19.72	ug/l	99
85) n-Butylbenzene	13.62	91	422166	17.49	ug/l	100
86) Hexachloroethane	13.88	117	97028	16.33	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	327512	19.77	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27553	17.63	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	150563	19.03	ug/l	99
90) Hexachlorobutadiene	15.01	225	94915	18.19	ug/l	99
91) Naphthalene	15.14	128	309056	20.10	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	152094	18.90	ug/l	100

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

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