

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092118\
 Data File : VN051361.D
 Acq On : 21 Sep 2018 11:30
 Operator : MD\SY
 Sample : VN0921WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 10:53:32 AM

Quant Time: Sep 22 07:01:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	122238	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	670174	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	589800	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	219156	28.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.67%
60) 4-Bromofluorobenzene	12.40	95	259680	29.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.70%
63) Toluene-d8	10.09	98	824150	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	115854	15.262 ug/l	99
3) Chloromethane	2.06	50	140519	15.676 ug/l	100
4) Vinyl Chloride	2.19	62	150295	16.969 ug/l	100
5) Bromomethane	2.57	94	84435	15.640 ug/l	100
6) Chloroethane	2.71	64	90299	17.285 ug/l	99
7) Trichlorofluoromethane	3.02	101	214912	18.303 ug/l	99
8) Diethyl Ether	3.41	74	64565	15.596 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133332	18.337 ug/l	96
10) 1,1-Dichloroethene	3.74	96	114527	17.339 ug/l	97
11) Methyl Iodide	3.95	142	145902	23.675 ug/l	99
12) Methyl Acetate	4.33	43	89108	11.667 ug/l	98
13) Acrolein	3.61	56	20040	118.494 ug/l	100
14) Acrylonitrile	4.99	53	176450	68.330 ug/l	98
15) Acetone	3.82	58	43203	65.380 ug/l	92
16) Carbon Disulfide	4.05	76	322106	16.219 ug/l	98
17) Allyl chloride	4.32	41	156123	15.022 ug/l	95
18) Methylene Chloride	4.55	84	135791	17.515 ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	120982	17.191 ug/l	95
20) Diisopropyl ether	5.95	45	340225	15.771 ug/l	95
21) 1,1-Dichloroethane	5.85	63	221262	16.728 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	136125	17.124 ug/l	99
23) tert-Butyl Alcohol	4.78	59	32941	59.982 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	285124	15.783 ug/l	100
25) Chloroform	7.37	83	234196	17.740 ug/l	98
26) Cyclohexane	7.65	56	176389	16.096 ug/l	# 94
29) 1,1-Dichloropropene	7.79	75	169801	16.924 ug/l	98
30) 2-Butanone	6.84	43	184995	59.936 ug/l	96
31) 2,2-Dichloropropane	6.82	77	190848	19.549 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	204427	17.968 ug/l	98
33) Carbon Tetrachloride	7.77	117	189819	18.526 ug/l	95
34) Benzene	8.04	78	525891	16.943 ug/l	97
35) Methacrylonitrile	7.19	41	51069m	15.102 ug/l	
36) 1,2-Dichloroethane	8.12	62	158150	16.848 ug/l	100
37) Trichloroethene	8.83	130	147143	18.138 ug/l	98
38) Methylcyclohexane	9.08	83	200622	18.618 ug/l	96
39) 1,2-Dichloropropane	9.12	63	137719	16.989 ug/l	99
40) Dibromomethane	9.21	93	81820	16.756 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	179309	17.419	ug/l	100
42) Vinyl Acetate	5.90	43	1041472	73.257	ug/l	97
43) Ethyl Acetate	6.93	43	83288	13.172	ug/l	98
44) Isopropyl Acetate	8.16	43	155056	13.897	ug/l	100
45) 1,4-Dioxane	9.20	88	21955	264.898	ug/l	97
46) Methyl methacrylate	9.20	41	70652	12.644	ug/l	95
47) n-amyl Acetate	12.07	43	113644	12.669	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	167090	16.559	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	197881	17.072	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	123436	17.397	ug/l	98
51) Ethyl methacrylate	10.43	69	125204	14.423	ug/l	96
52) 1,3-Dichloropropane	10.71	76	191219	16.271	ug/l	99
53) Dibromochloromethane	10.90	129	143262	17.757	ug/l	99
54) 1,2-Dibromoethane	11.01	107	113278	16.146	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	312275	86.454	ug/l	97
56) Bromoform	12.13	173	98884	17.233	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	414423	61.412	ug/l	96
59) 2-Hexanone	10.75	43	267726	60.696	ug/l	98
61) Tetrachloroethene	10.63	164	138517	18.847	ug/l	96
62) Toluene	10.16	91	582983	17.717	ug/l	100
64) Chlorobenzene	11.43	112	371031	18.194	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	143288	18.610	ug/l	99
66) Ethyl Benzene	11.51	91	593970	17.427	ug/l	100
67) m/p-Xylenes	11.62	106	486093	37.067	ug/l	97
68) o-Xylene	11.95	106	229153	18.288	ug/l	99
69) Styrene	11.96	104	359111	18.026	ug/l	99
70) Isopropylbenzene	12.25	105	620429	18.634	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	139608	15.486	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	106042m	13.634	ug/l	
73) Bromobenzene	12.53	156	163465	18.660	ug/l	91
74) n-propylbenzene	12.59	91	688155	18.281	ug/l	97
75) 2-Chlorotoluene	12.67	91	415980	18.190	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	523452	19.238	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34787	15.700	ug/l	97
78) 4-Chlorotoluene	12.77	91	402628	17.880	ug/l	97
79) tert-butylbenzene	12.99	119	461148	19.515	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	523550	19.299	ug/l	100
81) sec-Butylbenzene	13.17	105	620941	20.083	ug/l	98
82) p-Isopropyltoluene	13.29	119	541297	20.283	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	275453	18.598	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	262103	18.677	ug/l	100
85) n-Butylbenzene	13.61	91	391303	19.216	ug/l	99
86) Hexachloroethane	13.87	117	105704	20.635	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	271539	18.626	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19000	15.065	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	115976	17.870	ug/l	99
90) Hexachlorobutadiene	15.01	225	109697	24.878	ug/l	97
91) Naphthalene	15.13	128	175378	17.222	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	119583	18.362	ug/l	98

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

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