

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051285.D
 Acq On : 18 Sep 2018 8:06
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:04 PM

Quant Time: Sep 18 14:22:02 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	94673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	507686	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	439578	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	170855	28.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.27%
60) 4-Bromofluorobenzene	12.40	95	185251	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	10.09	98	637214	31.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.63%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	89695	15.256	ug/l 99
3) Chloromethane	2.06	50	114892	16.549	ug/l 100
4) Vinyl Chloride	2.18	62	115944	16.902	ug/l 99
5) Bromomethane	2.57	94	64115	15.334	ug/l 97
6) Chloroethane	2.71	64	70453	17.413	ug/l 97
7) Trichlorofluoromethane	3.02	101	156845	17.247	ug/l 99
8) Diethyl Ether	3.41	74	48436	15.107	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	101149	17.961	ug/l 98
10) 1,1-Dichloroethene	3.74	96	87562	17.117	ug/l 97
11) Methyl Iodide	3.95	142	80073	16.776	ug/l 99
12) Methyl Acetate	4.33	43	63103	10.668	ug/l 100
13) Acrolein	3.61	56	33301	254.236	ug/l 94
14) Acrylonitrile	4.99	53	127344	63.672	ug/l 99
15) Acetone	3.82	58	40716	79.557	ug/l 88
16) Carbon Disulfide	4.05	76	270876	17.611	ug/l 100
17) Allyl chloride	4.32	41	126141	15.671	ug/l 97
18) Methylene Chloride	4.55	84	102470	17.066	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	93075	17.077	ug/l 98
20) Diisopropyl ether	5.95	45	264455	15.828	ug/l 95
21) 1,1-Dichloroethane	5.85	63	171263	16.718	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	103148	16.754	ug/l 99
23) tert-Butyl Alcohol	4.79	59	22021	51.773	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	204560	14.620	ug/l 99
25) Chloroform	7.37	83	176430	17.255	ug/l 98
26) Cyclohexane	7.65	56	137546	16.206	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	131598	17.314	ug/l 98
30) 2-Butanone	6.84	43	142450	60.924	ug/l 100
31) 2,2-Dichloropropane	6.82	77	141550	19.140	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	151506	17.578	ug/l 98
33) Carbon Tetrachloride	7.77	117	138927	17.899	ug/l 96
34) Benzene	8.04	78	400222	17.021	ug/l 98
35) Methacrylonitrile	7.17	41	32113	12.536	ug/l 93
36) 1,2-Dichloroethane	8.12	62	118969	16.730	ug/l 100
37) Trichloroethene	8.83	130	110262	17.942	ug/l 100
38) Methylcyclohexane	9.08	83	139770	17.122	ug/l 97
39) 1,2-Dichloropropane	9.12	63	103250	16.813	ug/l 98
40) Dibromomethane	9.21	93	59221	16.009	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	132681	17.015	ug/l	98
42) Vinyl Acetate	5.90	43	792230	73.560	ug/l	99
43) Ethyl Acetate	6.93	43	61024	12.740	ug/l	96
44) Isopropyl Acetate	8.17	43	113181	13.391	ug/l	99
45) 1,4-Dioxane	9.20	88	15556	247.763	ug/l	95
46) Methyl methacrylate	9.20	41	52382	12.374	ug/l	96
47) n-amyl Acetate	12.07	43	69940	10.292	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	120318	15.740	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	146829	16.722	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	86818	16.153	ug/l	99
51) Ethyl methacrylate	10.43	69	87210	13.261	ug/l	98
52) 1,3-Dichloropropane	10.71	76	136427	15.324	ug/l	98
53) Dibromochloromethane	10.90	129	101008	16.527	ug/l	98
54) 1,2-Dibromoethane	11.00	107	80805	15.204	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	201582	73.670	ug/l	98
56) Bromoform	12.12	173	65922	15.166	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	294805	58.616	ug/l	98
59) 2-Hexanone	10.75	43	182168	55.413	ug/l	99
61) Tetrachloroethene	10.63	164	99688	18.199	ug/l	95
62) Toluene	10.15	91	426378	17.386	ug/l	99
64) Chlorobenzene	11.43	112	258387	17.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	103481	18.032	ug/l	99
66) Ethyl Benzene	11.51	91	417239	16.425	ug/l	100
67) m/p-Xylenes	11.62	106	339957	34.783	ug/l	98
68) o-Xylene	11.95	106	158963	17.022	ug/l	98
69) Styrene	11.96	104	247445	16.665	ug/l	98
70) Isopropylbenzene	12.25	105	423176	17.053	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	95749	14.251	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	80710m	13.924	ug/l	
73) Bromobenzene	12.53	156	106725	16.346	ug/l	95
74) n-propylbenzene	12.59	91	451272	16.085	ug/l	98
75) 2-Chlorotoluene	12.67	91	285834	16.770	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	344356	16.981	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19921	12.063	ug/l	97
78) 4-Chlorotoluene	12.77	91	266359	15.871	ug/l	97
79) tert-butylbenzene	12.99	119	300481	17.061	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	334997	16.569	ug/l	99
81) sec-Butylbenzene	13.17	105	387734	16.826	ug/l	99
82) p-Isopropyltoluene	13.29	119	332116	16.697	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	170936	15.485	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	153985	14.722	ug/l	99
85) n-Butylbenzene	13.61	91	215011	14.167	ug/l	99
86) Hexachloroethane	13.87	117	67746	17.745	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	169362	15.587	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10905	11.601	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	46306	9.573	ug/l	99
90) Hexachlorobutadiene	15.01	225	65827	20.030	ug/l	96
91) Naphthalene	15.13	128	76469	13.635	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53304	10.982	ug/l	98

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

