

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051978.D
 Acq On : 24 Oct 2018 10:38
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:23:45 AM

Quant Time: Oct 24 14:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162190	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	905933	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	810087	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	284201	28.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	348322	29.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.40%
63) Toluene-d8	10.09	98	1046084	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	125187	19.867 ug/l	99
3) Chloromethane	2.06	50	109608	16.459 ug/l	100
4) Vinyl Chloride	2.19	62	143789	14.458 ug/l	97
5) Bromomethane	2.57	94	141313	16.082 ug/l	85
6) Chloroethane	2.71	64	105780	14.759 ug/l	98
7) Trichlorofluoromethane	3.02	101	257158	18.137 ug/l	94
8) Diethyl Ether	3.42	74	77587	18.797 ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.77	101	157442	19.499 ug/l #	40
10) 1,1-Dichloroethene	3.74	96	142833	19.128 ug/l	81
11) Methyl Iodide	3.96	142	241066	22.207 ug/l	97
12) Methyl Acetate	4.33	43	90126	19.436 ug/l	93
13) Acrolein	3.61	56	12202m	39.939 ug/l	
14) Acrylonitrile	4.99	53	189179	91.283 ug/l #	61
15) Acetone	3.82	58	46841	91.431 ug/l	96
16) Carbon Disulfide	4.06	76	322201	16.429 ug/l	99
17) Allyl chloride	4.33	41	131671	14.852 ug/l	74
18) Methylene Chloride	4.55	84	160610	19.236 ug/l #	86
19) trans-1,2-Dichloroethene	5.05	96	158715	18.614 ug/l #	81
20) Diisopropyl ether	5.95	45	340633	17.252 ug/l #	83
21) 1,1-Dichloroethane	5.85	63	246462	17.864 ug/l #	98
22) cis-1,2-Dichloroethene	6.83	96	189224	18.894 ug/l #	78
23) tert-Butyl Alcohol	4.78	59	40427	74.067 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	375055	17.433 ug/l #	68
25) Chloroform	7.37	83	303678	18.554 ug/l	99
26) Cyclohexane	7.66	56	192336	16.444 ug/l #	66
29) 1,1-Dichloropropene	7.79	75	206841	17.713 ug/l	94
30) 2-Butanone	6.84	43	213358	87.415 ug/l #	87
31) 2,2-Dichloropropane	6.83	77	229393	16.699 ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	275756	17.811 ug/l #	94
33) Carbon Tetrachloride	7.78	117	242398	17.305 ug/l	92
34) Benzene	8.04	78	631233	18.274 ug/l #	67
35) Methacrylonitrile	7.17	41	40352	12.584 ug/l #	71
36) 1,2-Dichloroethane	8.13	62	201570	18.212 ug/l #	94
37) Trichloroethene	8.84	130	201508	18.793 ug/l	94
38) Methylcyclohexane	9.08	83	252681	16.871 ug/l	77
39) 1,2-Dichloropropane	9.12	63	145352	17.868 ug/l	93
40) Dibromomethane	9.21	93	116245	19.254 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	212080	17.007	ug/l	96
42) Vinyl Acetate	5.90	43	1138998	82.898	ug/l #	87
43) Ethyl Acetate	6.93	43	90760	17.125	ug/l	97
44) Isopropyl Acetate	8.17	43	173163	16.358	ug/l	96
45) 1,4-Dioxane	9.20	88	26383	310.395	ug/l #	75
46) Methyl methacrylate	9.20	41	84044	17.213	ug/l	76
47) n-amyl Acetate	12.07	43	154555	17.441	ug/l #	69
48) t-1,3-Dichloropropene	10.38	75	194572	16.000	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	231252	17.250	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	156027	18.704	ug/l	94
51) Ethyl methacrylate	10.43	69	167547	17.544	ug/l	83
52) 1,3-Dichloropropane	10.71	76	234949	18.249	ug/l	98
53) Dibromochloromethane	10.90	129	170963	16.567	ug/l	95
54) 1,2-Dibromoethane	11.00	107	165667	18.921	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	495487	121.364	ug/l #	91
56) Bromoform	12.13	173	100898	14.825	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	486662	89.772	ug/l #	86
59) 2-Hexanone	10.75	43	341676	93.424	ug/l #	89
61) Tetrachloroethene	10.63	164	189174	18.260	ug/l	97
62) Toluene	10.16	91	752894	18.708	ug/l	99
64) Chlorobenzene	11.43	112	507957	19.272	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	187117	18.496	ug/l	98
66) Ethyl Benzene	11.51	91	820534	18.448	ug/l	98
67) m/p-Xylenes	11.62	106	660441	36.626	ug/l	95
68) o-Xylene	11.95	106	324425	18.250	ug/l	86
69) Styrene	11.96	104	507885	18.621	ug/l	95
70) Isopropylbenzene	12.25	105	854013	18.015	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	175085	18.702	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	145548m	19.763	ug/l	
73) Bromobenzene	12.53	156	228826	19.488	ug/l	80
74) n-propylbenzene	12.59	91	919591	18.034	ug/l	94
75) 2-Chlorotoluene	12.67	91	540354	18.076	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	692069	17.655	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	36506	14.988	ug/l	97
78) 4-Chlorotoluene	12.77	91	549905	18.723	ug/l	91
79) tert-butylbenzene	12.99	119	649052	18.004	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	710072	18.124	ug/l	96
81) sec-Butylbenzene	13.17	105	851379	18.053	ug/l	98
82) p-Isopropyltoluene	13.29	119	758320	17.970	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	412936	19.931	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	400006	20.508	ug/l	98
85) n-Butylbenzene	13.61	91	584592	18.371	ug/l	94
86) Hexachloroethane	13.87	117	106813	14.679	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	398157	19.850	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22046	15.769	ug/l #	56
89) 1,2,4-Trichlorobenzene	14.91	180	196764	22.590	ug/l	99
90) Hexachlorobutadiene	15.01	225	114436	17.703	ug/l	97
91) Naphthalene	15.13	128	394041	22.896	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	173614	19.024	ug/l	93

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

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