

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051677.D
 Acq On : 5 Oct 2018 10:49
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:48 PM

Quant Time: Oct 05 11:08:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:05:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	149618	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	819157	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	810791	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	290143	27.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	91.57%
60) 4-Bromofluorobenzene	12.40	95	390711	32.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.67%
63) Toluene-d8	10.09	98	1043538	28.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1276244	145.319	ug/l 100
3) Chloromethane	2.06	50	1077737	120.915	ug/l 97
4) Vinyl Chloride	2.18	62	1691979	125.619	ug/l 99
5) Bromomethane	2.55	94	1348629	129.493	ug/l 88
6) Chloroethane	2.70	64	1116521	123.271	ug/l 100
7) Trichlorofluoromethane	3.01	101	1892226	122.068	ug/l 94
8) Diethyl Ether	3.41	74	507967	122.809	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	946811	118.520	ug/l 42
10) 1,1-Dichloroethene	3.73	96	873779	120.125	ug/l 90
11) Methyl Iodide	3.95	142	1384223	155.511	ug/l 95
12) Methyl Acetate	4.33	43	712901	125.046	ug/l 99
13) Acrolein	3.61	56	258556	615.191	ug/l 89
14) Acrylonitrile	4.99	53	1545779	672.782	ug/l # 60
15) Acetone	3.82	58	322031	570.086	ug/l 78
16) Carbon Disulfide	4.05	76	2628541	127.656	ug/l 98
17) Allyl chloride	4.32	41	1347925	128.539	ug/l 80
18) Methylene Chloride	4.55	84	1040000	128.138	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	1075280	133.134	ug/l 90
20) Diisopropyl ether	5.95	45	3103485	132.477	ug/l # 83
21) 1,1-Dichloroethane	5.85	63	1885425	128.207	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	1248113	130.956	ug/l 87
23) tert-Butyl Alcohol	4.79	59	430536	738.404	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	2999779m	130.245	ug/l
25) Chloroform	7.37	83	2232083	135.596	ug/l 98
26) Cyclohexane	7.66	56	1645649	132.458	ug/l # 78
29) 1,1-Dichloropropene	7.80	75	1609961	147.352	ug/l 97
30) 2-Butanone	6.84	43	1764856	647.390	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	1785958	127.772	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	2152257	146.273	ug/l 95
33) Carbon Tetrachloride	7.77	117	1957329	146.844	ug/l 92
34) Benzene	8.04	78	4906674	148.733	ug/l # 60
35) Methacrylonitrile	7.17	41	477849	166.998	ug/l 78
36) 1,2-Dichloroethane	8.13	62	1593946	143.312	ug/l 98
37) Trichloroethene	8.84	130	1346312	146.281	ug/l 98
38) Methylcyclohexane	9.08	83	1992922	143.253	ug/l 82
39) 1,2-Dichloropropane	9.12	63	1143254	139.795	ug/l 97
40) Dibromomethane	9.21	93	844182	151.592	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	1858519	149.042	ug/l	94
42) Vinyl Acetate	5.90	43	11254107	713.284	ug/l #	91
43) Ethyl Acetate	6.93	43	820255	146.293	ug/l	98
44) Isopropyl Acetate	8.17	43	1713907	136.374	ug/l	98
45) 1,4-Dioxane	9.20	88	243888	3161.987	ug/l #	78
46) Methyl methacrylate	9.20	41	801267	144.611	ug/l	81
47) n-amyl Acetate	12.07	43	1612287m	154.924	ug/l	
48) t-1,3-Dichloropropene	10.38	75	1984792	159.534	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	2062916	152.399	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	1214302	155.398	ug/l	95
51) Ethyl methacrylate	10.43	69	1556608	156.955	ug/l	86
52) 1,3-Dichloropropane	10.71	76	1885997	150.591	ug/l	97
53) Dibromochloromethane	10.90	129	1655843	162.944	ug/l	96
54) 1,2-Dibromoethane	11.01	107	1318145	162.257	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3226415	785.419	ug/l	94
56) Bromoform	12.13	173	1256476	175.251	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	4483559	656.767	ug/l #	89
59) 2-Hexanone	10.75	43	3018238	652.414	ug/l #	91
61) Tetrachloroethene	10.63	164	1337344	137.716	ug/l	96
62) Toluene	10.16	91	5999900	145.139	ug/l	98
64) Chlorobenzene	11.43	112	3957814	150.173	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	1603929	149.367	ug/l	100
66) Ethyl Benzene	11.51	91	6827894	147.241	ug/l	99
67) m/p-Xylenes	11.62	106	5548951	300.352	ug/l	98
68) o-Xylene	11.95	106	2717779	148.897	ug/l	91
69) Styrene	11.96	104	4545660	157.976	ug/l	97
70) Isopropylbenzene	12.25	105	7365116	150.486	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1509066	146.946	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	1165601m	141.185	ug/l	
73) Bromobenzene	12.53	156	1878355	162.021	ug/l	84
74) n-propylbenzene	12.59	91	8116932	150.695	ug/l	94
75) 2-Chlorotoluene	12.68	91	4745121	150.791	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	6215849	149.468	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	493688	165.689	ug/l	92
78) 4-Chlorotoluene	12.77	91	4932250	157.870	ug/l	92
79) tert-butylbenzene	12.99	119	5609245	150.091	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	6237901	151.137	ug/l	97
81) sec-Butylbenzene	13.17	105	7425025	148.130	ug/l	97
82) p-Isopropyltoluene	13.29	119	6773422	154.743	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	3461747	168.362	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	3364613	172.068	ug/l	98
85) n-Butylbenzene	13.62	91	5548891	161.905	ug/l	94
86) Hexachloroethane	13.88	117	1297956	148.663	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	3292734	162.092	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	255969	152.500	ug/l #	78
89) 1,2,4-Trichlorobenzene	14.91	180	1818485	217.466	ug/l	98
90) Hexachlorobutadiene	15.01	225	968396	155.255	ug/l	97
91) Naphthalene	15.13	128	3890351	217.585	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	1701048	205.053	ug/l	92

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

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