

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064416.D
 Acq On : 2 Nov 2020 15:24
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	61956	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	333843	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	303824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	138387	25.27	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	84.23%#
60) 4-Bromofluorobenzene	12.38	95	157278	29.51	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.37%
63) Toluene-d8	10.06	98	403340	29.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	575066	118.071	ug/l 99
3) Chloromethane	2.04	50	602928	130.316	ug/l 95
4) Vinyl Chloride	2.16	62	616628	135.545	ug/l 97
5) Bromomethane	2.51	94	391773	138.493	ug/l 98
6) Chloroethane	2.66	64	363812	141.748	ug/l 98
7) Trichlorofluoromethane	2.98	101	980909	137.979	ug/l 95
8) Diethyl Ether	3.37	74	324688	145.105	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	494429	136.515	ug/l 98
10) 1,1-Dichloroethene	3.69	96	493668	143.236	ug/l 96
11) Methyl Iodide	3.91	142	726050	148.441	ug/l 98
12) Methyl Acetate	4.27	43	524095	129.763	ug/l 96
13) Acrolein	3.57	56	303385	1020.658	ug/l 92
14) Acrylonitrile	4.93	53	1233344	698.238	ug/l 100
15) Acetone	3.77	58	359888	678.359	ug/l 95
16) Carbon Disulfide	4.01	76	1429816	139.566	ug/l 100
17) Allyl chloride	4.27	41	857147	131.540	ug/l 91
18) Methylene Chloride	4.50	84	556605	140.977	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	546576	144.028	ug/l 94
20) Diisopropyl ether	5.90	45	1893877	142.630	ug/l 99
21) 1,1-Dichloroethane	5.79	63	1032879	138.705	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	635947	145.557	ug/l 99
23) tert-Butyl Alcohol	4.73	59	449787	569.581	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1776707	137.421	ug/l # 64
25) Chloroform	7.33	83	1093389	141.502	ug/l 98
26) Cyclohexane	7.61	56	837343	138.263	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	825353	145.858	ug/l 88
30) 2-Butanone	6.78	43	1833322	683.083	ug/l 99
31) 2,2-Dichloropropane	6.78	77	970875	142.225	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	1045586	145.845	ug/l 99
33) Carbon Tetrachloride	7.73	117	953721	145.705	ug/l 96
34) Benzene	8.00	78	2328738	151.481	ug/l # 88
35) Methacrylonitrile	7.12	41	306300	112.184	ug/l 97
36) 1,2-Dichloroethane	8.08	62	906698	134.482	ug/l 99
37) Trichloroethene	8.80	130	654480	155.593	ug/l 94
38) Methylcyclohexane	9.05	83	758212	139.175	ug/l 97
39) 1,2-Dichloropropane	9.08	63	601044	147.240	ug/l 100
40) Dibromomethane	9.17	93	424342	147.728	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064416.D
 Acq On : 2 Nov 2020 15:24
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	908508	146.692	ug/l	97
42) Vinyl Acetate	5.84	43	7984978	707.181	ug/l	99
43) Ethyl Acetate	6.88	43	743206m	141.415	ug/l	
44) Isopropyl Acetate	8.12	43	1313585	134.070	ug/l	# 80
45) 1,4-Dioxane	9.16	88	184917	2487.813	ug/l	93
46) Methyl methacrylate	9.16	41	657147	137.685	ug/l	96
47) n-amyl Acetate	12.04	43	1201055	145.602	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	1032708	150.210	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	1063483	149.954	ug/l	92
50) 1,1,2-Trichloroethane	10.53	97	579547	150.912	ug/l	95
51) Ethyl methacrylate	10.40	69	878304	149.046	ug/l	93
52) 1,3-Dichloropropane	10.68	76	991461	147.519	ug/l	99
53) Dibromochloromethane	10.87	129	745062	159.104	ug/l	100
54) 1,2-Dibromoethane	10.97	107	625726	152.658	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	2224872	754.536	ug/l	99
56) Bromoform	12.10	173	543667	164.039	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	3695776	679.189	ug/l	97
59) 2-Hexanone	10.72	43	2771973	676.417	ug/l	97
61) Tetrachloroethene	10.60	164	615519	151.372	ug/l	96
62) Toluene	10.12	91	2580626	153.812	ug/l	100
64) Chlorobenzene	11.41	112	1638086	156.369	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	652695	157.930	ug/l	99
66) Ethyl Benzene	11.48	91	2915874	153.612	ug/l	96
67) m/p-Xylenes	11.59	106	2226673	316.713	ug/l	95
68) o-Xylene	11.92	106	1072401	155.413	ug/l	98
69) Styrene	11.94	104	1867985	163.648	ug/l	96
70) Isopropylbenzene	12.22	105	2749447	151.366	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	767975	149.768	ug/l	97
72) 1,2,3-Trichloropropane	12.52	75	786711m	148.200	ug/l	
73) Bromobenzene	12.50	156	736546	163.430	ug/l	97
74) n-propylbenzene	12.57	91	3085835	150.061	ug/l	100
75) 2-Chlorotoluene	12.65	91	1931420	151.239	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	2305726	151.130	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	306839	153.894	ug/l	91
78) 4-Chlorotoluene	12.75	91	2048106	153.645	ug/l	96
79) tert-butylbenzene	12.97	119	1846612	146.492	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2354366	152.769	ug/l	98
81) sec-Butylbenzene	13.14	105	2340561	144.138	ug/l	99
82) p-Isopropyltoluene	13.26	119	2201961	147.939	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	1271806	163.488	ug/l	100
84) 1,4-Dichlorobenzene	13.33	146	1289712	164.692	ug/l	99
85) n-Butylbenzene	13.59	91	1817687	141.247	ug/l	96
86) Hexachloroethane	13.85	117	423539	153.582	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	1242970	162.162	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	178066	141.487	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	678612	160.319	ug/l	96
90) Hexachlorobutadiene	14.98	225	305025	133.672	ug/l	98
91) Naphthalene	15.10	128	2079108	166.052	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	659101	162.610	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064416.D
Acq On : 2 Nov 2020 15:24
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration

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

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064416.D
Acq On : 2 Nov 2020 15:24
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sampled :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
11/3/2020 2:20:50 PM

Quant Time: Nov 02 15:50:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration

