

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056579.D
 Acq On : 3 Jul 2019 10:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:00 AM

Quant Time: Jul 03 11:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:49:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	48528	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277988	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	252027	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	100713	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	12.40	95	119356	31.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.43%
63) Toluene-d8	10.09	98	341061	28.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	378044	156.741	ug/l	99
3) Chloromethane	2.06	50	542489	154.519	ug/l	98
4) Vinyl Chloride	2.18	62	509492	154.103	ug/l	99
5) Bromomethane	2.52	94	243420m	134.384	ug/l	
6) Chloroethane	2.67	64	280439m	152.929	ug/l	
7) Trichlorofluoromethane	3.00	101	647848	152.293	ug/l	98
8) Diethyl Ether	3.41	74	280877	156.536	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	404928	149.711	ug/l	96
10) 1,1-Dichloroethene	3.73	96	412021	156.715	ug/l	95
11) Methyl Iodide	3.95	142	641999	174.850	ug/l	99
12) Methyl Acetate	4.32	43	518988	143.891	ug/l	97
13) Acrolein	3.60	56	262419	751.631	ug/l	98
14) Acrylonitrile	4.99	53	1239775	799.745	ug/l	99
15) Acetone	3.82	58	324519	738.101	ug/l	93
16) Carbon Disulfide	4.05	76	1080069	174.967	ug/l	100
17) Allyl chloride	4.32	41	747534	164.047	ug/l	98
18) Methylene Chloride	4.54	84	473454	151.198	ug/l	92
19) trans-1,2-Dichloroethene	5.04	96	443734	155.322	ug/l	91
20) Diisopropyl ether	5.95	45	1467903	153.839	ug/l	96
21) 1,1-Dichloroethane	5.85	63	830177	154.336	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	521263	155.119	ug/l	94
23) tert-Butyl Alcohol	4.80	59	447835	765.261	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1364186	156.920	ug/l	99
25) Chloroform	7.37	83	802039	151.562	ug/l	98
26) Cyclohexane	7.65	56	777790	157.683	ug/l #	96
29) 1,1-Dichloropropene	7.79	75	629742	154.287	ug/l	98
30) 2-Butanone	6.84	43	1689833	740.719	ug/l	98
31) 2,2-Dichloropropane	6.82	77	610444	155.867	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	667122	153.070	ug/l	98
33) Carbon Tetrachloride	7.77	117	583888	159.356	ug/l	99
34) Benzene	8.04	78	1905844	148.096	ug/l #	91
35) Methacrylonitrile	7.18	41	313045	156.172	ug/l	95
36) 1,2-Dichloroethane	8.12	62	613074	146.203	ug/l	97
37) Trichloroethene	8.83	130	506393	151.583	ug/l	93
38) Methylcyclohexane	9.08	83	794542	155.600	ug/l	99
39) 1,2-Dichloropropane	9.12	63	517243	149.610	ug/l	95
40) Dibromomethane	9.21	93	321637	150.726	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056579.D
 Acq On : 3 Jul 2019 10:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:00 AM

Quant Time: Jul 03 11:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:49:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	626234	160.377	ug/l	99
42) Vinyl Acetate	5.90	43	6285762	782.446	ug/l	98
43) Ethyl Acetate	6.93	43	659809	149.852	ug/l	99
44) Isopropyl Acetate	8.17	43	1066048	156.574	ug/l #	86
45) 1,4-Dioxane	9.20	88	207139	3103.568	ug/l	94
46) Methyl methacrylate	9.20	41	519097	154.806	ug/l	96
47) n-amyl Acetate	12.07	43	934663	167.556	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	711550	172.804	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	790151	164.605	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	471905	149.962	ug/l	96
51) Ethyl methacrylate	10.43	69	780191	159.399	ug/l	96
52) 1,3-Dichloropropane	10.71	76	802189	150.031	ug/l	99
53) Dibromochloromethane	10.90	129	503440	166.913	ug/l	98
54) 1,2-Dibromoethane	11.00	107	504905	155.026	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2000775	803.597	ug/l	98
56) Bromoform	12.13	173	383986	177.662	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	3301631	723.458	ug/l	97
59) 2-Hexanone	10.75	43	2486344	736.833	ug/l	99
61) Tetrachloroethene	10.63	164	453232	141.692	ug/l	99
62) Toluene	10.16	91	2050219	144.736	ug/l	100
64) Chlorobenzene	11.43	112	1258523	148.147	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	466688	153.664	ug/l	99
66) Ethyl Benzene	11.51	91	2298306	150.874	ug/l	97
67) m/p-Xylenes	11.62	106	1707137	304.149	ug/l	94
68) o-Xylene	11.95	106	828143	148.481	ug/l	97
69) Styrene	11.96	104	1441203	157.092	ug/l	98
70) Isopropylbenzene	12.25	105	2183488	150.435	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	704834	146.020	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	583931m	143.337	ug/l	
73) Bromobenzene	12.53	156	574084	154.109	ug/l	90
74) n-propylbenzene	12.59	91	2554477	156.349	ug/l	97
75) 2-Chlorotoluene	12.67	91	1479792	150.247	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	1863569	151.927	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	235894	192.808	ug/l	92
78) 4-Chlorotoluene	12.77	91	1510492	159.674	ug/l	98
79) tert-butylbenzene	12.99	119	1569327	149.196	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1876959	155.708	ug/l	98
81) sec-Butylbenzene	13.17	105	2130461	153.649	ug/l	98
82) p-Isopropyltoluene	13.29	119	1963476	158.515	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1003509	164.440	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	990949	169.432	ug/l	99
85) n-Butylbenzene	13.61	91	1746148	170.368	ug/l	98
86) Hexachloroethane	13.87	117	321583	176.193	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	991169	158.746	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	145894	175.295	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	675024	208.397	ug/l	99
90) Hexachlorobutadiene	15.01	225	338593	157.698	ug/l	99
91) Naphthalene	15.13	128	1866715	204.329	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	666466	192.035	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
Data File : VN056579.D
Acq On : 3 Jul 2019 10:42
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:00 AM

Quant Time: Jul 03 11:07:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:49:18 2019
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:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
Data File : VN056579.D
Acq On : 3 Jul 2019 10:42
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:00 AM

Quant Time: Jul 03 11:07:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:49:18 2019
Response via : Initial Calibration

