

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057580.D
 Acq On : 30 Aug 2019 10:49
 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
 8/31/2019 10:00:42 AM

Quant Time: Aug 30 23:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	121829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	697337	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	656834	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	246115	21.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	72.37%
60) 4-Bromofluorobenzene	12.40	95	317226	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.08	98	879116	27.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	90.07%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	938929	146.101 ug/l	96
3) Chloromethane	2.05	50	762870	86.612 ug/l	100
4) Vinyl Chloride	2.18	62	1175630	102.480 ug/l	100
5) Bromomethane	2.53	94	1010618	126.666 ug/l	99
6) Chloroethane	2.68	64	753593	96.438 ug/l	96
7) Trichlorofluoromethane	3.00	101	2447362	124.410 ug/l	99
8) Diethyl Ether	3.40	74	779185	106.646 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1433892	126.948 ug/l	94
10) 1,1-Dichloroethene	3.71	96	1332795	123.970 ug/l	99
11) Methyl Iodide	3.93	142	2415190	203.881 ug/l	99
12) Methyl Acetate	4.31	43	697049	71.602 ug/l	95
13) Acrolein	3.59	56	452423	370.577 ug/l	98
14) Acrylonitrile	4.97	53	1581689	461.261 ug/l #	90
15) Acetone	3.81	58	721398	445.467 ug/l	96
16) Carbon Disulfide	4.03	76	1602227	92.373 ug/l	99
17) Allyl chloride	4.30	41	1035680	79.002 ug/l	97
18) Methylene Chloride	4.53	84	859617	115.050 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	914393	128.548 ug/l	95
20) Diisopropyl ether	5.94	45	2471620	87.269 ug/l	93
21) 1,1-Dichloroethane	5.83	63	1613153	106.883 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	1183160	135.977 ug/l	93
23) tert-Butyl Alcohol	4.81	59	568713	453.821 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	2834320	120.489 ug/l	91
25) Chloroform	7.36	83	2003231	129.311 ug/l	99
26) Cyclohexane	7.64	56	1295164	96.835 ug/l #	89
29) 1,1-Dichloropropene	7.78	75	1371741	119.468 ug/l	98
30) 2-Butanone	6.83	43	2072689	397.751 ug/l #	93
31) 2,2-Dichloropropane	6.81	77	1661988	126.406 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1877771	139.576 ug/l	96
33) Carbon Tetrachloride	7.76	117	1638932	146.379 ug/l	98
34) Benzene	8.03	78	3931663	116.329 ug/l #	89
35) Methacrylonitrile	7.16	41	417519	80.490 ug/l	91
36) 1,2-Dichloroethane	8.11	62	1432925	108.368 ug/l	99
37) Trichloroethene	8.83	130	1222075	152.236 ug/l	99
38) Methylcyclohexane	9.07	83	1706211	130.061 ug/l	95
39) 1,2-Dichloropropane	9.11	63	964794	102.984 ug/l	99
40) Dibromomethane	9.20	93	779197	130.575 ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057580.D
 Acq On : 30 Aug 2019 10:49
 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
 8/31/2019 10:00:42 AM

Quant Time: Aug 30 23:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1651229	131.001	ug/l	98
42) Vinyl Acetate	5.88	43	8140284	346.154	ug/l #	87
43) Ethyl Acetate	6.92	43	855796	84.015	ug/l	97
44) Isopropyl Acetate	8.16	43	1636720	83.783	ug/l	97
45) 1,4-Dioxane	9.20	88	304443	2463.187	ug/l	98
46) Methyl methacrylate	9.19	41	747285	80.302	ug/l	89
47) n-amyl Acetate	12.07	43	1503980	94.467	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1696791	128.980	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	1782487	123.799	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	1132667	144.065	ug/l	98
51) Ethyl methacrylate	10.43	69	1516478	120.182	ug/l	88
52) 1,3-Dichloropropane	10.70	76	1726067	123.089	ug/l	98
53) Dibromochloromethane	10.90	129	1408940	166.928	ug/l	99
54) 1,2-Dibromoethane	11.00	107	1216238	150.076	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	2067957	653.529	ug/l	96
56) Bromoform	12.13	173	988260	191.938	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	3859637	328.944	ug/l #	82
59) 2-Hexanone	10.75	43	3013927	370.768	ug/l	87
61) Tetrachloroethene	10.63	164	1170119	152.008	ug/l	99
62) Toluene	10.15	91	4059428m	103.701	ug/l	
64) Chlorobenzene	11.43	112	3049297	139.564	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.51	131	1333293	160.612	ug/l	97
66) Ethyl Benzene	11.51	91	4133235	97.957	ug/l #	51
67) m/p-Xylenes	11.62	106	3975623m	267.173	ug/l	
68) o-Xylene	11.95	106	2209423	150.907	ug/l	70
69) Styrene	11.96	104	3382233	143.102	ug/l	94
70) Isopropylbenzene	12.25	105	4236651	107.029	ug/l #	75
71) 1,1,2,2-Tetrachloroethane	12.51	83	1422047	128.259	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	1196444m	119.892	ug/l	
73) Bromobenzene	12.53	156	1526101	185.809	ug/l	90
74) n-propylbenzene	12.59	91	4357472	97.856	ug/l	70
75) 2-Chlorotoluene	12.67	91	3353691	127.946	ug/l	87
76) 1,3,5-Trimethylbenzene	12.73	105	3881646	119.451	ug/l	77
77) t-1,4-Dichloro-2-butene	12.30	75	452085	131.718	ug/l	84
78) 4-Chlorotoluene	12.77	91	3412731	135.756	ug/l	84
79) tert-butylbenzene	12.99	119	3705450	132.674	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	3822561	125.138	ug/l	74
81) sec-Butylbenzene	13.17	105	4163931	113.696	ug/l	78
82) p-Isopropyltoluene	13.29	119	3943138	126.278	ug/l	81
83) 1,3-Dichlorobenzene	13.28	146	2625673	203.958	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	2531201	201.897	ug/l	98
85) n-Butylbenzene	13.62	91	3440580	129.257	ug/l	82
86) Hexachloroethane	13.88	117	967955	160.035	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	2495734	197.439	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	237948	129.658	ug/l	86
89) 1,2,4-Trichlorobenzene	14.91	180	1185458	250.981	ug/l	99
90) Hexachlorobutadiene	15.01	225	720952	196.987	ug/l	97
91) Naphthalene	15.13	128	2948245	198.501	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	1145860	245.721	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057580.D
Acq On : 30 Aug 2019 10:49
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
8/31/2019 10:00:42 AM

Quant Time: Aug 30 23:56:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 30 23:13:27 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\VN083019\
 Data File : VN057580.D
 Acq On : 30 Aug 2019 10:49
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:42 AM

Quant Time: Aug 30 23:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

